IAP Cover Sheet
 Version Name: Period 5

 Incident Name: 2nd 80's Fire
 Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Federal OSC:

State OSC:

Insident Commender

Incident Commander:

Local OSC:

Stephen Mason 3/26/2019

Kendra Bernhagen 3/26/1

ZUHARD LAWHORN 3/26/19

Incident Action Plan

Notes

Period 5 IAP

2nd 80's Tank Farm



IAD	0	Sheet
IAP	COVAR	Shoot

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 Weather Report
 Version Name: 20190326_2100

 Incident Name: 2nd 80's Fire
 Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Present Conditions

Weather Conditions as of 03/26/2019 22:03

deer park station id: MID_UR113

Temperature: 67° Fahrenheit

Wind Speed: 5 mph

Wind Direction (from): NE

Visibility: 10 mile(s)

Humidity (%):

: N/A

: Mostly Sunny

Current Speed:

Current Direction (to):

Water Temperature: ° Fahrenheit

Feels Like: 67° Fahrenheit

Dew Point: ° Fahrenheit

Pressure: psi

UV Index:

Sunrise: 07:16

Sunset: 19:35

Wave Height: feet feet

Wave Direction: NE

Swell Interval: day(s) feet

Forecast Date				
Tue 03/26/2019		Sunny Chance of Precipitation(%): 3%	4	Mostly Clear Chance of Precipitation(%): 0%
	76 F	Wind: 8 mph	54 F	Wind: 6 mph
Wed 03/27/2019		Partly Cloudy Chance of Precipitation(%): 0%	8	Partly Cloudy Chance of Precipitation(%): 0%
	74 F	Wind: 8 mph	57 F	Wind: 7 mph

					Tides
	Tide	Height	UOM	Time	Tide Station Location
Wed	Low	0.134	feet	08:53	Lynchburg Landing, San Jacinto River, Tx Us
03/27/2019	High	1.49	feet	17:57	Lynchburg Landing, San Jacinto River, Tx Us
Thu	Low	0.176	feet	10:06	Lynchburg Landing, San Jacinto River, Tx Us
03/28/2019	High	1.508	feet	19:18	Lynchburg Landing, San Jacinto River, Tx Us

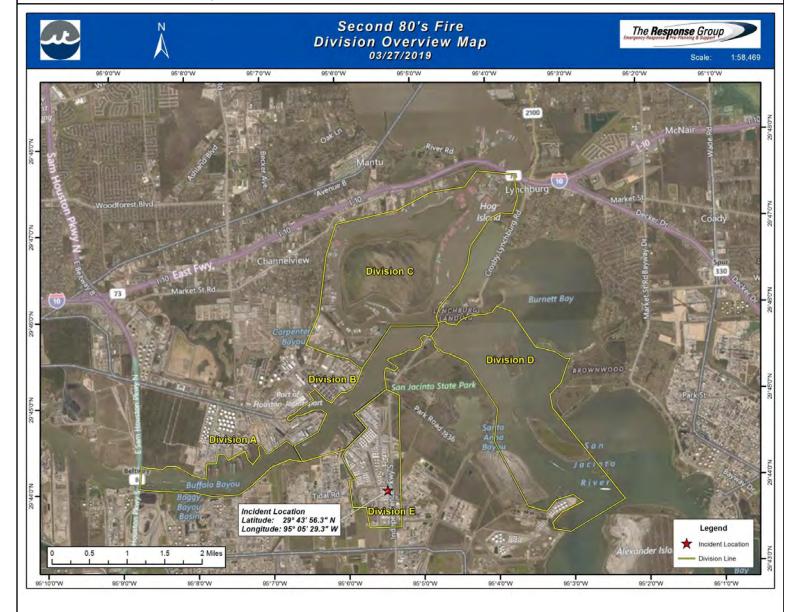
Weather Report		Prepared By Planning TV Stan	d, Updated 03/26/2019 22:14 UTC -6 PP
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:17 UTC -6:00	Page 3 of 68	© TRG

Map/Sketch Version Name: 20190327 Division Overview Map

Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Incident Map/Sketch

20190327 Division Overview Map



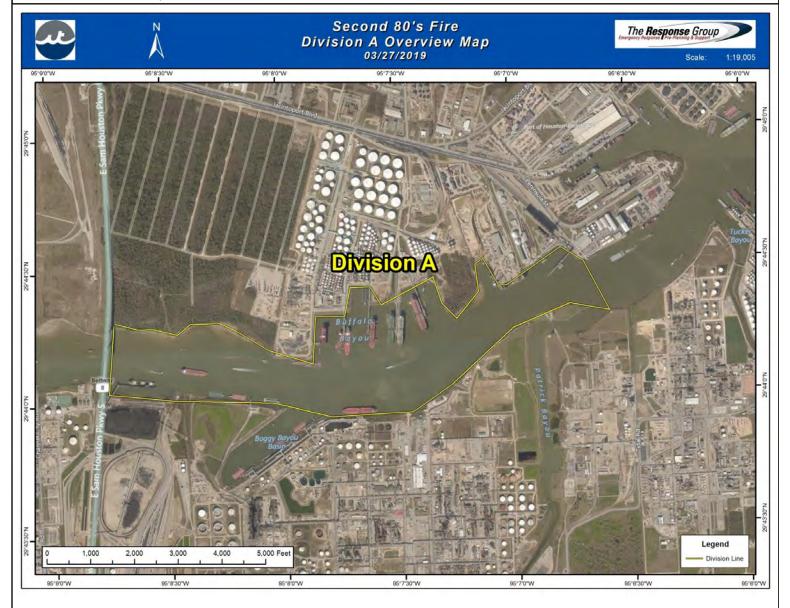
Map/Sketch		Prepared By Planning, l	Jpdated 03/26/2019 21:40 UTC -6:00 PP
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Map/Sketch Version Name: 20190327 Division A Map

Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Incident Map/Sketch

20190327 Division A Map



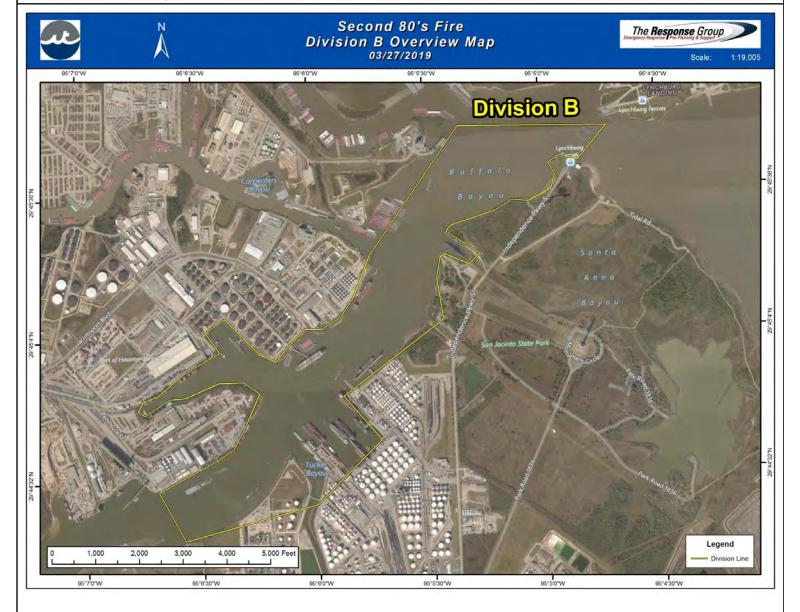
Map/Sketch		Prepared By Planning, I	Jpdated 03/26/2019 21:41 UTC -6:00 PP
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Map/Sketch Version Name: 20190327 Division B Map

Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Incident Map/Sketch

20190327 Division B Map



Map/Sketch		Prepared By Planning, I	Jpdated 03/26/2019 21:42 UTC -6:00 PP
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Map/Sketch Version Name: 20190327 Division C Map

Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Incident Map/Sketch

20190327 Division C Map



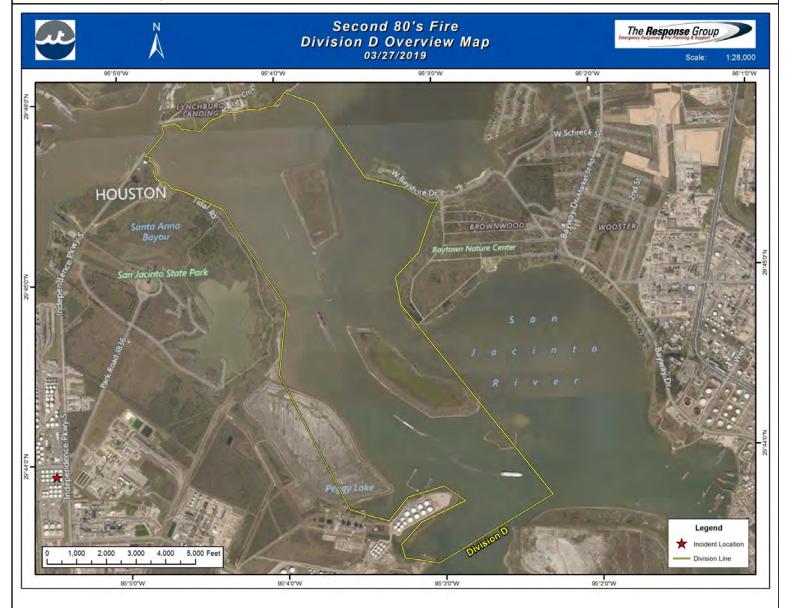
Map/Sketch		Prepared By Planning, I	Jpdated 03/26/2019 21:43 UTC -6:00 PP
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Map/Sketch Version Name: 20190327 Division D Map

Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Incident Map/Sketch

20190327 Division D Map



Map/Sketch		Prepared By Planning, Updated 03/26/2019 21:44 UTC -6:00 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:17 UTC -6:00	Page 8 of 68	© TRG

ICS 202 - Incident Objectives	Version Name: Period
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:0
Objec	tive(s)
Ensure the Safety of the Public and Response Personnel.	•
Maximize the Protection of Public Health and Welfare.	
Maximize Protection of Environmentally and Socially Sensitive A	reas.
**Monitor, Recover, and Rehabilitate Impacted Wildlife	
Maintain Fire Suppression Activities to Prevent Re-ignition and Stabilization.	Suppress Vapor. Continue Assessing Risk in Tank Area for Site
Continue Execution of Water and Product Removal Plan.	
Minimize Further Release of Product from the Facility.	
Contain and Recover Spilled Material.	
Prevent Further Impacts to Maritime Transportation.	
Ensure Port Recovery and Restoration.	
Keep the Public, Stakeholders and the Media Informed of Response	nse and Recovery Activities.
Operational Period Command Emphasis (Safet	y Message, Priorities, Key Decisions/Directions)
Safety is the number one priority. All responders have "Stop Wosupervisor immediately."	ork Authority." Report any unsafe acts or situation to your
ICS 202 - Incident Objectives	Prepared By Planning Section, Updated 03/26/2019 16:28 UTC -6:
INCIDENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:17 UTC -6:00	Page 9 of 68 © TR

ICS 204 - Assignment List	Division: Division A
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift	
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift	
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift	
Division A Supervisor	Burditt, John	ITC	832-240-6440	Day Shift	
Division A Supervisor	Ward, Taylor	USCG	251-300-4189	Day Shift	
Water Operations Branch	Carroll, Amos	USCG	(832) 256-3265	Day Shift	
Water Operations Branch	McLelland, Reid	ITC	281-838-7567	Day Shift	
Water Operations Branch	Tilimon, Matthew	USCG	832-256-3261	Day Shift	
Water Operations Branch	Swanney, Kyle	USCG	(832) 256-7210	Night Shift	
Water Operations Branch	Young, Kevin	ITC	281-786-9383	Night Shift	

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division A	Boom	Boom (18")	5000	
Division A	Vacuum Truck	Vacuum Truck	1	

Assignments

- Protection -

Maintain boom to protect water intakes and environmentally sensitive areas in coordination with Division Supervisor and Environmental Unit Leader. Deploy additional GRPs as needed.

54-B Patrick Bayou

54-C Drainage Ditch

As directed, conduct booming and recovery operations in Division A.

Communications			
Contact Details			
Marine - USCG OPS 81A			
Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command 15			

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List		Updated 03/24/2019 18:34 UTC -6:00		
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ICS 204 - Assignment List Division: Division A Incident Name: 2nd 80's Fire Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00] Special Site-Specific Safety Considerations Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel. Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if

necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone. Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List		Updated 03/24/2019 18:34 UTC -6:00		
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Incident Name: 2nd 80's Fire			Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]					
			Operations F					
Position	Name				Contact Number(s) Work S	hift	
Operations Section Chief	Jacobso	n, Jeff	ITC		713-516-6916	Day Shi	ft	
Deputy Operations Section Chief	Burditt,	John			832-240-6440	Day Shi	Day Shift	
Deputy Operations Section Chief	Cadena	, Hector	ITC		832-284-3127	Night Sh	Night Shift	
Division B Supervisor	Livingst	on, Gregory	USCG		860-857-4997	Day Shift		
Division B Supervisor	Osborne	e, Scott	ITC		903-391-4831	Day Shi	ft	
Water Operations Branch Director	McLella	nd, Reid	ITC		281-838-7567	Day Shi	ft	
Water Operations Branch Director	Young,	Kevin	ITC		281-786-9383	Night Sh	nift	
Water Operations Deputy Branch Director	Carroll,	Amos	USCG		(832) 256-3265	Day Shift		
Water Operations Deputy Branch Director	Tilimon,	Matthew	USCG		832-256-3261	Day Shift		
			Resources I	Required				
Area Of Operation Resource Kind		ind	Description		Quantity	Size		
Division B		Boom		Boom (18")		10000		
Division B		Work Barge		Barge Boat		10		
Division B		Skimming Vessel		Marco Skimme	r	10		
Division B		Skimmer		Foilex Skimmer 7		7		
Division B		Safety Perso	nnel	Air Monitoring Personnel		30		
Division B		Fire Boat		Fire Boat	Fire Boat			
Division B	Work Boat		Work Boat		10			
Division B		OSRV		OSRV 2		2		
Division B		Boat Operato	r	Boat Operator 4		49		
Division B		Spill Tech		Spill Tech		90		
Division B		Shallow Water	er Barge (SWB)	Shallow Water Barge (SWB)		2		
Division B		Skimmer Acc	essories	Drum Skimmer		8		
Division B		Offshore Boo	m	Offshore Boom		2640	67 inch (es)	

ICS 204 - Assignment List		Updated 03/25/2019 18:47 UTC -6		
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ICS 204 - Assignment List	Division: Division E	
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]	

Assignments

- Protection -

Maintain boom to protect water intakes and environmentally sensitive areas in coordination with Division Supervisor and Environmental Unit Leader. Deploy additional GRPs as needed. Deploy boom to continue pushing oil back towards the south side of the docks and back into Tucker Bayou. Maintain boom specifically at San Jacinto Port.

Maintain 67" offshore boom (2640') at mouth of Tucker Bayou and ITC slips.

40-J Carpenters Bayou

40-K Battleship

40-I Entrance to Old River

- Recovery -

In coordination with air operations, crews to conduct on water recovery operations using boom, vessels, skimmers and barges along the Ship Channel as necessary. MSRC will recover product with GT185 skimmers and (2) shallow water barges. NRC will recover product utilizing foilex skimmers and vacuum trucks. Continue recovery at San Jacinto Port.

24/Hr skimming operations will be conducted by MSRC platform.

- Tucker Bayou -

Maintain deflection boom deployed at an angle across Tucker Bayou, to herd product to the western side of the dock area. Skimmers (5) will recover product and pump into vacuum trucks and frac tanks as necessary. Continue use of Port of Houston Fire boat #1 to herd product as needed to push product from outside of boom containment to inside of Tucker Bayou containment. To flush Tucker Bayou, a 3000 GPM pump (via dow) will be used, along with a 2500 GPM fire truck, on the East side of Tucker Bayou near Tidal road to pump water in and flush towards collection area at dock 5.

Port Authority fire vessel will pump fire water from the Ship Channel to inside of boomed area, to flush sheen inward from the mouth of dock 5, towards the collection area for recovery. The boom will then be redeployed further in from the mouth of dock 5 in a tighter formation.

Boom deployed at the mouth of Tucker Bayou and boom previously deployed at 7&8 docks will be re-deployed to the 1 dock to capture any migrating product from Tucker Bayou.

Communications			
Name / Function	Contact Details		
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

ICS 204 - Assignment List			Updated 03/25/2019 18:47 UTC -6:00
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ICS 204 - Assignment List	Division: Division E	
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]	

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Notify Texas Parks and Wildlife (William Irwin at 713-819-3986; or Michael Strutt, Director of Cultural Resources Program, at 512 -389-4736) if any ground disturbance activities are conducted within San Jacinto State Park.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

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ICS 204 - Assignment List	Division: Division C
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Division C Supervisor	Kyser, Christopher	USCG	713-204-6978	Day Shift
Division C Supervisor	Anderson, Byron	ITC	832-466-6646	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Deputy Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Deputy Water Operations Branch Director	Tilimon, Matthew	USCG	832-256-3261	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division C	Boom	Boom (18")	10000	
Division C	Work Barge	Barge Boat	10	
Division C	Skimming Vessel	Marco Skimmer	10	
Division C	Safety Personnel	Air Monitoring Personnel	30	
Division C	Work Boat	Work Boat	15	
Division C	Boat Operator	Boat Operator	46	
Division C	Spill Tech	Spill Tech	80	
Division C	Shallow Water Barge (SWB)	Shallow Water Barge (SWB)	1	

Assignments

- Protection -

Maintain and deploy boom in Division C as directed (specifically in Old River and Carpenter's Bayou) by Division Supervisor to protect water intakes and environmentally sensitive areas in coordination with Division Supervisor and Environmental Unit Leader. Deploy additional GRPs as needed.

- 40-L Entrance to San Jacinto River
- 40-F San Jacinto River Marsh
- 40-G Burnet Bay Marsh

- Recovery -

Recover oil in Division C as directed (specifically in Old River, Carpenter's Bayou & San Jacinto Port) by Division Supervisor in coordination with air operations. Crews to conduct on water recovery operations using boom, vessels, skimmers and barges along the Ship Channel as necessary.

Communications		
Name / Function	Contact Details	
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A	
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16	
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67	
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15	

ICS 204 - Assignment List			Updated 03/25/2019 18:48 UTC -6:00
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ICS 204 - Assignment List	Division: Division C	
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]	
Special Equipment / Supplies Needed for Assignment		

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List			Updated 03/25/2019 18:48 UTC -6:00
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ICS 204 - Assignment List	Division: Division D
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Division D Supervisor	Myers, Janmichael	USCG	630-390-8615	Day Shift
Water Operations Branch	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Water Operations Branch	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch	Tilimon, Matthew	USCG	832-256-3261	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division D	Boom	Boom (18")	5000	
Division D	Work Barge	Barge Boat	6	
Division D	Safety Personnel	Air Monitoring Personnel	3	

Assignments

- Protection -

Deploy and maintain boom to protect water intakes and environmentally sensitive areas in coordination with Division Supervisor and Environmental Unit Leader. Deploy additional GRPs as needed.

40-M Baytown Nature Center

54-D San Jacinto Battleground State Park

54-N Baytown Nature Center

TPW-1 St. Mary's Beach

Continue recovery operations at Bostco.

Communications		
Name / Function	Contact Details	
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A	
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16	
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67	
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15	

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

ICS 204 - Assignment List		Updated 03/24/2019 18:34 UTC -6:00		
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ICS 204 - Assignment List	Division: Division D
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List		Updated 03/24/2019 18:34 UTC -6:00		
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ICS 204 - Assignmer	it List					Group: De	con Grou	
Incident Name: 2nd 80's Fire				Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00				
			Operations Pe	rsonnel				
Position	Name		Affiliation		Contact Number(s) Work S	hift	
Operations Section Chief	Jacobso		ITC		713-516-6916	Day Sh	ift	
Deputy Operations Section Chief	Burditt,	John	ITC		832-240-6440	Day Sh	ift	
Deputy Operations Section Chief	Cadena	, Hector	ITC		832-284-3127	Night S	hift	
Water Operations Branch Director	McLella	nd, Reid	ITC		281-838-7567	Day Sh	ift	
Water Operations Branch Director	Swanne	y, Kyle	USCG		(832) 256-7210	Night S	hift	
Water Operations Branch Director	Young,	Kevin	ITC		281-786-9383	Night S	hift	
Water Operations Branch Director	Carroll,	Amos	USCG		(832) 256-3265	Day Sh	ift	
Water Operations Branch Director	Tilimon,	Matthew	USCG		832-256-3261	Day Shift		
Water Operations Branch Director	Swanne	anney, Kyle USCG		(832) 256-7210		Night S	Night Shift	
Mobile Decon Group Supervisor	Ruff, Za	ch	USCG		614-795-1689	Day Sh	ift	
	•		Resources Re	equired				
Area Of Operation		Resource Kir	nd	Description		Quantity	Size	
Decon Group		Vessel	Bar		Barge Boat 10			
Decon Group		Work Boat		Work Boat		5		
Decon Group		Boat Operator		Boat Operator		15		
Decon Group		Decon Person	nel	Decon Personn	el	55		
Decon Group		Boom		Boom		6000	18 incl (es)	
Decon Group		Sorbent: Boon	n	Sorbent: Boom		2440		
Decon Group Hot Water Pressure		ssure Washer	Hot Water Pressure Washer		10			

ICS 204 - Assignment List		Updated 03/26/2019 21:55 UTC -6:00		
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ICS 204 - Assignment List	Group: Decon Group
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Assignments

Outfit, maintain, and continue to identify additional decon sites as required. Spot check teams will conduct assessment of level of contamination and direct contaminated vessels to decon site. Coordinate with MTSRU to prioritize vessels for decon. Decon operations to be conducted per the approved Decontamination Plan.

Decon Sites: Shell Deer Park South of Lynchberg (Goat Island) Barbours Point Stolt

Vessels will be decontaminated after containment boom is deployed after lashing and securing the vessel. Sorbent material (pads & boom) will be used to recover any residual product/runoff from the decon operation.

- (5) Decon Teams will be deployed, (1) to each site, and each Decon Team will consist of:
- (1) Response Boat
- (2) Barges for washdown
- (14) Decon technicians

All waste generated during equipment decontamination will be handled in accordance with Federal, State, and Local regulations.

Special Instructions

USCG Decon Examiner will complete the Decontamination Form for each vessel. Turn in all completed forms to the Decon Group Supervisor at the end of each shift.

Communications		
Name / Function Contact Details		
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A	
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16	
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67	
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15	

Special Equipment / Supplies Needed for Assignment

VHF Radio Camera

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List		Updated 03/26/2019 21:55 UTC -6:00		
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ICS 204 - Assignment List	Group: Decon Group
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift.

If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List		Updated 03/26/2019 21:55 UTC -6:00		
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ICS 204 - Assignment List	Group: On-Water Air Monitoring Group		
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]		

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Tilimon, Matthew	USCG	832-256-3261	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
On-Water Air Monitoring Supervisor	Lopez, Christopher	ITC	281-744-3490	Day Shift
On-Water Air Monitoring Supervisor	Debrum, Nicholas	USCG	774-766-8695	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
On-Water Air Monitoring Group	Equipment: Safety	Air Monitoring Devices	4	
On-Water Air Monitoring Group	Vessel	USCG TANB	1	
On-Water Air Monitoring Group	Manpower: Responder	Air Monitoring Tech	8	
On-Water Air Monitoring Group	Work Boat	Work Boat	3	
On-Water Air Monitoring Group	Boat Operator	Boat Operator	3	

Assignments

USCG Strike Team, EPA, TCEQ, Port of Houston, CTEH, and OMI to conduct air monitoring throughout all divisions within the Ship Channel.

Port of Houston Vessels:3

Total Tradition Vaccation			
Communications			
Name / Function	Contact Details		
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

ICS 204 - Assignment List		Updated 03/25/2019 18:45 UTC -6:		
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ICS 204 - Assignment List	Group: On-Water Air Monitoring Group
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List			Updated 03/25/2019 18:45 UTC -6:00
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ICS 204 - Assignment List	Group: Tank Farm Recovery Group		
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]		

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Tank Farm Operations Branch Director	Holley, Carl	ITC	281-380-1012	Day Shift
Tank Farm Recovery Group Supervisor	Thomas, Harold	ITC	713-823-2543	Day Shift
Tank Farm Recovery Group Supervisor	Moses, Terry	ITC	281-389-9078	Night Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Tank Farm Recovery Group	Pumps	SS MSP-300	3	
Tank Farm Recovery Group	Manpower: Responder	Manpower: Responder	8	
Tank Farm Recovery Group	Pumper truck	Pumper truck	1	
Tank Farm Recovery Group	Hose/Accessories	Hydraulic Hose (Baskets)	3	
Tank Farm Recovery Group	Hydraulic Power Unit	Hydraulic Power Unit	3	
Tank Farm Recovery Group	Miscellaneous	Lightering Tool Box	2	
Tank Farm Recovery Group	Equipment: Small	Tripods	2	

Assignments

(2) 2-man teams, (1) team deployed (1) team will remain on standby, donning Level A PPE will conduct pre-entry site characterization after drone assessment of the tank area is completed.

Transfer product from AST 80-13, 80-2, and 80-3 to receiving tanks and piping as directed by ITC / Unified Command. Pumping will be completed using a pump with a manifold with stainless-steel discharge hoses and transfer to 80-18. Personnel will maintain readiness and be staged at hose connections during initial start up.

Assessment will be conducted by T&T and US Fire Pumps before product transfer begins with tanks 80-2 and 80-3, first 80's tank manifold will be mitigated.

Communications			
Name / Function	Contact Details		
ITC Trunking System / Command	ITC Trunking System Site 1 & 2		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

Tactical Objectives

Ensure all spilled material stays on site and in containment

Special Equipment / Supplies Needed for Assignment

6" Flange to 4: female cam lock

Bolts for reducers

Teflon Gaskets

SCBAs

Bunker Gear

PPE - respirators, organic vapor cartridges, rubber boots, chem gloves, cascade systems/supplied-air systems, etc.

Radios

ICS 204 - Assignment List			Updated 03/25/2019 18:52 UTC -6:00
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ICS 204 - Assignment List	Group: Tank Farm Recovery Grou	
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]	

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Continuous air monitoring will be conducted to direct use of respiratory protection for workers. PPE will include fire-resistant coveralls, chemical protective boots, chemical resistant gloves, hearing protection, eye protection, splash guards (as required), outer protective suits (as required), and respiratory protection. Respirators with organic vapor cartridges and supplied-air systems will be provided. Grounding/bonding of transfer system will be completed. Transfer operations will cease during lightning events. All personnel on-site have stop-work authority. A JSA will be completed prior to commencing transfer operations.

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Additional Information

Pumping Crew Trevor Reed Mario Tovar Ricky Castillo Cory Lewis

Rick Francis

Additional personnel as required Robbie Dison: Safety Assistant On-Site

Tom Noble: Project Management / Supervision

Safety Director: Cody Wilson

ICS 204 - Assignment List			Updated 03/25/2019 18:52 UTC -6:00
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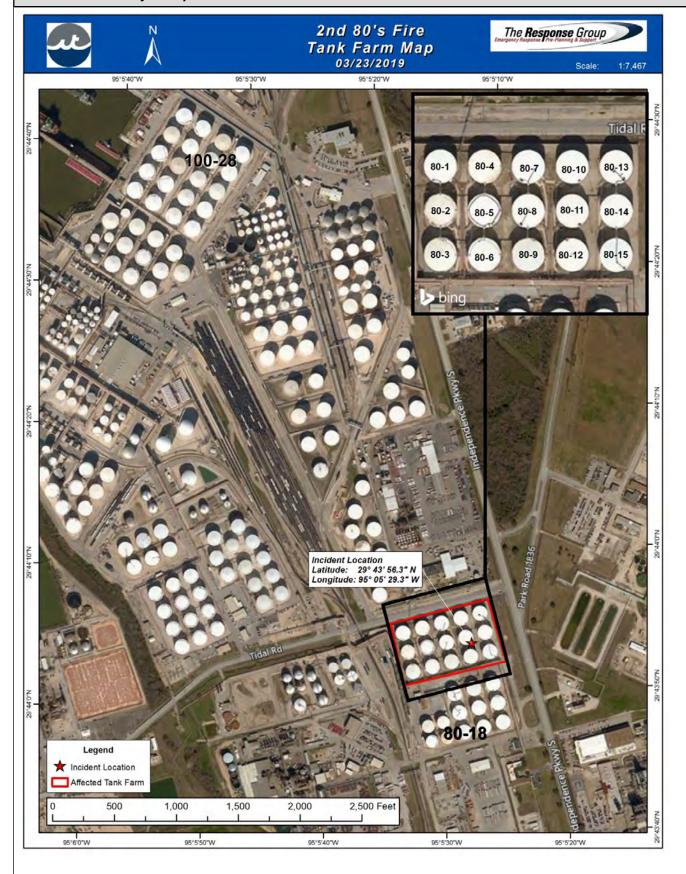
ICS 204 - Assignment List

Group: Tank Farm Recovery Group

Incident Name: 2nd 80's Fire

Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Tank Farm Recovery Group



ICS 204 - Assignment List			Updated 03/25/2019 18:52 UTC -6:00
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ICS 204 - Assignmer	nt List				Task Force: Fire	e Wate	er Contai	nment TI
Incident Name: 2nd 80's F	ire			Period: F	Period 5 [03/27/2019 07	7:00 -	03/28/20	19 07:00
			Operations	Personnel				
Position	Name		Affiliation		Contact Number(s)		Work Shift	
Operations Section Chief	Jacobso	n, Jeff ITC			713-516-6916		Day Shit	ft
Deputy Operations Section Chief	Burditt, .	John	ITC		832-240-6440	Day Shift		ft
Deputy Operations Section Chief	Cadena,	, Hector	ITC		832-284-3127		Night Sh	nift
Tank Farm Operations Branch Director	Holley, C	Carl	ITC		281-380-1012		Day Shit	ft
Fire Suppression Group Supervisor	Dwight,	Williams	US Fire Pum	р	409-273-4870		Day Shit	ft
Fire Suppression Group Supervisor	Guchian	a, Corey	ITC		281-380-1029		Night Sh	nift
Fire Water Containment TF Leader	Walker,	Derek	ITC		281-515-0751		Day Shift	
Fire Water Containment TF Leader	Martin, C	Gene	ITC	832-259-6587			Night Shift	
			Resources	Required				
Area Of Operation		Resource F	Kind	Description		Qι	ıantity	Size
Fire Water Containment T		Manpower:		· · · · · · · · · · · · · · · · · · ·		4		
Fire Water Containment T		Manpower:	Supervisor	· · · · · ·		1		
Fire Water Containment T		Pumps		Pumps		1		
Fire Water Containment T		Vacuum Tru	ıck	Vacuum Truck		1		
Fire Water Containment T	F	Fire Boat		Fire Boat		2		
			Assign	ments				
Maintain 2' of foam and m Ensure all firewater/mix us and manifold hose to pum Coffer dam has been cons recover product from this I	sed in firefi p water in structed or	ighting opera to tank 100-2 on the ditch so	utions is contained 28. Buth of Tidal Rd. v	d and removed. L	Jtilize vacuum trucks, p cker Bayou. Vacuum tr	rucks v		
			Commun	ications				
Name / Function			ntact Details					
ITC Trunking System / Co Operations/Safety/Inciden			Trunking Systemerations/Safety/In	n Site 1 & 2 cident Command	15			
Operations								
Operations CIMA / Dispatch		CIM	 IA 1					

ICS 204 - Assignment List			Updated 03/25/2019 19:04 UTC -6:00
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Ensure all spilled material stays on site and in containment

ICS 204 - Assignment List	Task Force: Fire Water Containment TF
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Keep clear of heavy equipment in operation. Watch pinch points. Utilize flagger/spotter if necessary.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List			Updated 03/25/2019 19:04 UTC -6:00
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ICS 204 - Assignment List	Task Force: Foam Application TF
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

		Operations Personnel		
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Tank Farm Operations Branch Director	Holley, Carl	ITC	281-380-1012	Day Shift
Fire Suppression Group Supervisor	Dwight, Williams	US Fire Pump	409-273-4870	Day Shift
Fire Suppression Group Supervisor	Guchiana, Corey	ITC	281-380-1029	Night Shift
Foam Application TF Leader	Nawrocki, Ryan	US Fire Pump	(225) 931-0694	Day Shift
Foam Application TF Leader	Snyder, John	US Fire Pump	(985) 817-0649	Night Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Foam Application TF	Manpower: Responder	Manpower: Responder	2	
Foam Application TF	Manpower: Supervisor	Manpower: Supervisor	1	
Foam Application TF	Fire Fighting Foam	Foam Totes	1000	
Foam Application TF	Fire Fighting Equipment	Foam Pumper	2	

Assignments

Ensure continuous foam blanket is applied within the tank berm area to mitigate any re-ignition potential. Foam applied as needed using multiple stationary foam cannons. Firefighting team's specific focus is fire protection, fire suppression and vapor suppression.

Continue use of infrared imaging camera to read and/or detect any vapor yields. Continue aggressive metering and monitoring around tank farm area.

Foam Type(s): 1-3%

Communications			
Name / Function	Contact Details		
ITC Trunking System / Command	ITC Trunking System Site 1 & 2		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List			Updated 03/25/2019 19:03 UTC -6:00
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ICS 204 - Assignment Lis	t	Т	ask Force: Foam Application TF
Incident Name: 2nd 80's Fire		Period: Period 5 [03/27	/2019 07:00 - 03/28/2019 07:00]
	Special Site-Specific	Safety Considerations	
Keep clear of heavy equipment in and team lift when appropriate. N			
Wear appropriate PPE - no leath necessary. Nobody gets hurt.	er gloves - communicate any un	safe situations to supervisor. Uti	lize stop work authority if
Ensure all personnel are equippe area, report to supervisor and Mi available don appropriate PPE p	ke Gaudet (281)-787-8256 on D		
Action Levels for Benzene:			
>0.5 ppm - Don full face APR >25 ppm - Supplied air; must cha	ange APR cartriges to prevent b	reakthrough every 4 hours.	
Report any LEL detection (deline	eate area).		
ICS 204 - Assignment List			Updated 03/25/2019 19:03 UTC -6:00
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ICS 204 - Assignmen	t List				Group	p: Air Monitor	ing Gro	
Incident Name: 2nd 80's Fi	re			Period: Per	iod 5 [03/27/2019 07:	:00 - 03/28/20	019 07:	
			Operations	Personnel				
Position	Name		Affiliation		Contact Number	r(s) Work S	hift	
Operations Section Chief	Jacobso	n, Jeff	ITC		713-516-6916	Day Shi	ift	
Deputy Operations Section Chief	Burditt, c	lohn	ITC		832-240-6440	Day Shi	ift	
Deputy Operations Section Chief	Cadena,	Hector	ITC		832-284-3127	Night S	hift	
Monitoring Branch Director	Gaudet,	Michael	ITC	ІТС		Day Shi	ift	
Monitoring Branch Director	Taylor, N	/like	ITC	ITC		Night S	Night Shift	
Air Monitoring Group Supervisor	Langley,	Justin CTEH			281-627-2889 Day Shift		ift	
Air Monitoring Group Supervisor	Allaby, E	ric	СТЕН		(501) 529-7164	Night S	hift	
			Resources	Required				
Area Of Operation		Resource Ki	nd	Description		Quantity	Size	
Air Monitoring Group		Equipment: S	afety	Air Monitoring Devices		112		
Air Monitoring Group		Vessel		USCG TANB		4		
Air Monitoring Group		Manpower: R	esponder	Air Monitoring Tech		220		
Air Monitoring Group		Aircraft: UAV		Aircraft		1		
Air Monitoring Group		Vehicle		Vehicle 1		139		

ICS 204 - Assignment List		Updated 03/25/2019 18:53 UTC -6:00	
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ICS 204 - Assignment List	Group: Air Monitoring Group	
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]	

Assignments

CTEH: Real time air monitoring (360 deg. 24hr) in operational areas as well as in community. (Benzene, VOCs) (34) Analytical stations samples go to lab for rush turnaround (same day or next day). See Air Monitoring Plan for details.

Air Monitoring Device Kits: 165 (3 Air Monitoring Devices per Kit)

Personnel: 214 Vehicles: 203

CTEH will work with the Division Supervisor will determine the air monitoring support level on all vessels.

EPA: (2) Roving monitoring teams conducting air monitoring. Real-time monitoring will occur via ASPECT aerial platform. TAGA bus to continue to conduct air monitoring in community areas. If there is a area of concern where TAGA can be utilized, contact

EPA.

Personnel: 19 Vehicles: 1 Aircraft: 1

MSRC: (2) CTEH personnel & (1) MSRC Tech will conduct continous monitoring on the deck of the Texas Responder.

Air Monitoring Devices: 1

Personnel: 2 Vessels: 1

Hazmat Group (City of Houston, CST, Harris County Fire Marshall Office, TIFMAS): (4) (2) man teams will take readings at multiple sites around the Incident Location and will report results. If action levels are reached, Monitoring Supervisor and Harris County EOC will be notified. CST will coordinate work through Hazmat Group or Local On-Scene Coordinator.

Air Monitoring Devices: 9

Personnel: 14 Vehicles: 4

TCEQ will deploy (3) teams during day operations and (5) teams during night operations. The teams will be positioned downwind of the facility in community areas. In addition (2) air monitoring stations are strategically located in coordination with unified command.

SWS Personnel: 4

Vehicles: 3

Harris County Pollution Control: Will conduct roving monitoring along 225 and Tidal Rd to railroad tracks. Also will conduct monitoring at 225 and Miller Rd. to railroad tracks.

Air Monitoring Devices: 2

Personnel: 2 Vehicles: 1

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.

Email: Air2@iterm.com Phone: 832-493-8041

Communications			
Name / Function	Contact Details		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

ICS 204 - Assignment List		Updated 03/25/2019 18:53 UTC -6:00	
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ICS 204 - Assignment List	Group: Air Monitoring Group
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List		Updated 03/25/2019 18:53 UTC -6:00	
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ICS 204 - Assignment List	Group: Water Sampling Group		
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]		

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Monitoring Branch Director	Gaudet, Michael	ITC	(281) 787-8256	Day Shift
Monitoring Branch Director	Taylor, Mike	ITC	(281) 667-1771	Night Shift
Water Sampling Group Supervisor	Kubitz, Jody	Cardno	815-355-3938	Day Shift

Resources	Required
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Area Of Operation Resource Kind		Description	Quantity	Size
Water Sampling Group	Miscellaneous	Water Sampling Kits	2	
Water Sampling Group	Vessel	USCG TANB	3	
Water Sampling Group	Manpower: Responder	Air Monitoring Tech	6	
Water Sampling Group	Vehicle	Vehicle	3	
Water Sampling Group	Work Boat	Work Boat	6	
Water Sampling Group	Boat Operator	Boat Operator	6	

Assignments

Conduct water sampling in various locations. Samples will be taken from shoreline access points and vessels as needed. All sampling results will be communicated back to Unified Command. Sampling will be conducted in accordance with each entities Sampling Plan

EPA: (1) Surface water sampling group will conduct sampling upstream of the confluence of Tucker Bayou (daily) and the Ship Channel (outside of the containment), San Jacinto State Historical Park, and the vicinity of the Lynchburg Reservior. Additional areas will be sampled when needed.

TCEQ: (3) Surface quality groups will conduct water sampling east of Channelview, as far as the eastern border of Galveston Bay and as far south as Kemah, an additional shore sampling team will be conducting sampling in Gulf side of Galveston Island and Crystal Beach in Bolivar peninsula. Harris County Pollution Control will continue to work with TCEQ regarding water sampling data.

Cardno: (2) Teams will conduct water sampling by vessel and taking a full suite of samples from Buffalo Bayou east for several miles. Reference the Foam Product & Water Sampling Plan for additional details.

ITC: Water sampling will occur at outfall 3 regularly every two hours. If outfall 3 is opened, take additional sample.

Communications			
Name / Function	Contact Details		
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

ICS 204 - Assignment List		Updated 03/25/2019 18:53 UTC -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 34 of 68	© TRG

ICS 204 - Assignment List	Group: Water Sampling Group		
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]		

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

ICS 204 - Assignment List		Updated 03/25/2019 18:53 UTC -6:00			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 35 of 68	© TRG		

Incident Name: 2nd 80's Fire		Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00							
			Operations	Person	nel				
Position	Name		Affiliation		Contact Number(s)		Work Shift		
Operations Section Chief	Jacobso	n, Jeff	f ITC		713-516-6916		Day Shift		
Deputy Operations Section Chief	Burditt, .	John	ITC		832-240-6440		Day Shift		
Deputy Operations Section Chief	Cadena	a, Hector ITC				832-284-3127		Night Shift	
Rapid Assessment Team (RAT)	Wakefie	ld, Jeff	Cardno	Cardno		3023889173	Da	Day Shift	
			Resources	s Require	ed				
Area Of Operation		Resource K	ind	Description		Quan	ity	Size	
Rapid Assessment Team (RAT)	Vessel		USCG TANB		10	10		
Rapid Assessment Team ((RAT)	Manpower: F	Responder	Air Monitoring Tech		21	21		
			Assigi	nments					
(4) Rapid Assessment Tea of the ship channel to asse All surveys will be conduct	ess any er	nvironmental i	mpacts. Teams	s will be o					

Communications			
Name / Function	Contact Details		
Operations/Safety/Incident Command /	Operations/Safety/Incident Command 15		

Report any oiled wildlife, wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish found within the areas of operation to the Environmental Unit Lead. Please take photo and document location.

Avoid vessel collisions with wildlife

Avoid grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List		Prepared By Operations, Updated 03/25/2019 18:54 UTC -6:00 PP		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 36 of 68	© TRG	

Incident Name: 2nd 80's Fire Special Site-Specific Safety Considerations Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, tri and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel. Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt. Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate tarea, report to supervisor and Mike Gaudet (281-787-8256).
Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, tri and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel. Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt. Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate to
and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel. Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt. Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate to
hurt. Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate to
All equipment and personnel must be decontaminated prior to leaving the hot zone.
Action Levels for Benzene:
>0.5 ppm - Don full face APR >25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.
Report any LEL detection (delineate area).
ICS 204 - Assignment List Prepared By Operations, Updated 03/25/2019 18:54 UTC -6:00 INCIDENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:18 UTC -6:00 Page 37 of 68 © T

ICS 20)5 - Radio	Communication	าร						Version Name: Radio Comms
Incident	t Name: 2nd	80's Fire					Pe	eriod: Period	5 [03/27/2019 07:00 - 03/28/2019 07:00]
				Radio	Channel Info	rmation			
<i>Ch</i> # 81A	Function Tactical	Channel Name/ Trunked Radio System Talkgroup Marine - USCG	Assignment	Rx Freq N or W 157.0250	Rx Tone/NAC None	Tx Freq N or W Simplex	Tx Tone/NAC	Mode (A, D, or M)	Remarks
OIA	Tactical	OPS		157.0250	INOTIE	Simplex		A	
21A	Tactical	Marine - RAT (Rapid Assessment Teams)		157.0500	None	Simplex		A	
16	All	Marine - Hailing and Emergency		156.8000	None	Simplex		А	
67	Tactical	Marine - OMI-On- water OPS		156.3750	None	Simplex		Α	
Site 1 & 2	Command		ITC ICP (Admin Building)	Encrypted				D	
15	Operations	Operations/Safety/I ncident Command							
1	Dispatch	CIMA							
2	Tactical	East/South - CIMA							
3	Tactical	North Div - CIMA							
4	Tactical	West Div (Water Supply) - CIMA							
5	Tactical	Safety (IH) - CIMA							
				Specia	al Radio Instr	uctions	•		
ICS 205	i - Radio Co	mmunications					Prep	ared By Logist	tics, Updated 03/23/2019 18:02 UTC -6:00 PP
INCIDEN	T ACTION PLAN	SOFTWARE™	Printed 03/26/2	019 23:18 UTC -6:00		Page 38 o	of 68		© TRG

ICS 205a - Communications List	Version Name: Water Operations Branch
Incident Name: 2nd 80's Fire	Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]
Local Communica	ations Information

		Local	Communications	Information	
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
Jacobson, Jeff	Operations Section Chief	713-516-6916			ITC
Kuhn, Karl	Deputy Operations Section Chief	713-208-5583			ITC
Burditt, John	Deputy Operations Section Chief	832-240-6440			ITC
Young, Kevin	Water Operations Branch - NIGHT	281-786-9383			ITC
McLelland, Reid	Water Operations Branch	281-838-7567			ITC
Tilimon, Matthew	Water Operations Branch	832-256-3261			USCG
Carroll, Amos	Water Operations Branch	(832) 256-3265			USCG
Livingston, Gregory	Division B Group Supervisor	860-857-4997			USCG
Osborne, Scott	Division B Group Supervisor	903-391-4831			ITC
Ward, Taylor	Division A Group Supervisor	251-300-4189			USCG
Kyser, Christopher	Division C Group Supervisor	713-204-6978			USCG
Anderson, Byron	Division C Group Supervisor	832-466-6646			ITC
Myers, Janmichael	Division D Group Supervisor	630-390-8615			USCG
Debrum, Nicholas	Air Monitoring (Water)	774-766-8695			USCG
Ruff, Zach	Mobile Decon Group	614-795-1689			USCG
Pounds, Kenneth	Assistant Safety Officer	2513661450			USCG
Larson, Alan	Assistant Safety Officer	786-973-1225			USCG
Gaudet, Michael	Monitoring Branch	(281) 787-8256			ITC
Rodriguez, Antonio	NRC Contact	281-796-6881			NRC
Segura, Tyler	OMI Contact	409-299-0472			OMI
Sedlack, Tracy	MSRC Contact	713-471-2680			MSRC

ICS 205a - Communications List		Prepared By Water Op	erations Branch, Updated 03/26/2019 21:59 PP
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 39 of 68	© TRG

ICS 206 - Medical Plan							Versi	on Na	ame: Tank	Farm Op	erations
Incident Name: 2nd 80's	Fire			F	eriod: Pe	eriod	5 [03/27	7/201	9 07:00 - (03/28/201	9 07:00]
			Medical	Aid Stations	s	•					
Name		Location	on		Paramedic On Site Phone			R	Radio		
Safety Training Building		-95.09	605 29.73362								C andown utton
	7	Transport	tation (Ground a	nd/or Air An	nbulance	Ser	rvices)				
Ambulance Service		Location	on		Phone				Radio	Air	ALS
Deer Park Volunteer Fire Department		Deer F	Park, TX Ph1:			31) 4	176-1511				
			Н	ospitals	•					<u> </u>	•
					Air Trav	el	Groun		Trauma		Burn
Hospital	Location		Phone	Radio	Time		Travel T	ime	Center	Helipad	Center
CHI St. Luke's Patients Medical Center	4600 Eas Houston South Pasaden 77505 -95.1622 29.64113	Parkway a, TX 7	713-378-8994 281-487-0700						II		
HCA-Bayshore Medical Center	4000 Spe Hwy Pasaden 77504 -95.1837 29.66124	a, TX 8	713-359-1060 713-359-1000						II		
Altus Baytown Hospital	1626 W E Baytown, 77521 -94.9816 29.77128	9							x		
		S	pecial Medical E	mergency P	rocedure	es					
Deliver First Aid if trained Address is 2621 ITC Tida Conduct immediate notifi Critical Threshold Report	al Road Ha	arris Coun	ty, Texas.	y Officer via (Chain of (Com	mand pe	er ICS	S 202b Uni	ified Comi	mand
Injury or Death											
OSHA/Greater than 1s	st Aid thro	uah Safetv	/ Officer								
SDS available and copies											
Deconitamination must ta	ake place p	prior to tra	nsport.								
Helipad/air operations wi	ll take plac	ce on Inde	pendence Road	immediately a	across fro	m C	IMA Inci	dent	Command	l Post.	
ICS 206 - Medical Plan					Prepare	ed By	Planning,	Updat	ed 03/25/201	9 18:30 UT	C -6:00 PP
INCIDENT ACTION PLAN SOFT	WARE™	Printed 03/26	/2019 23:18 UTC -6:00		Page 40 of	68					© TRG

ICS 206 - Medical Plan			Ve	ersi	ion Name:	Divis	sion A On	Wat	er Ope	erations		
Incident Name: 2nd 80's	Fire			P	eriod: Pe	eric	od 5 [03/27	7/201	9 07:00 - 0	03/2	8/2019	9 07:00]
			Medica	I Aid Stations	i							
Name		Location					Paramedic On Site	Pho	ne		Ra	ndio
Staging Area - OMI River			154 29.78214			<u> </u>	x					
	Tra	nsport	tation (Ground a	and/or Air Am	1	e S	ervices)		Ī			
Ambulance Service		Location			Phone				Radio)	Air	ALS
Channel View Fire Dept Acadian Ambulance Staging Area -		Channel View, TX -95.11465 29.77606			Ph1: 911 / (281) 452- 5782							
OMI River		-95.10104 29.78206			Ph1: (409) 833-3800							
			<i>H</i>	ospitals				ı				
Hospital	Location		Phone	Radio	Air Trav Time		Groun Travel T		Trauma Center	He	lipad	Burn Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 mir	า	15 mi	n	III	2	(
UТМВ	3737 Red E #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 mir	า	15 mi	n	1	2	(x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	I, X	281-338-3708		15 mir	1	30 mi	n	II	2	(
Houston Methodist Baytown	4401 Garth Baytown, T. 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 mir	ı	30 mi	n		2	C	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 mir	1	15 mi	n	II			
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054	e.100	903-240-5893		15 mir	า	15 mi	n				
ICS 206 - Medical Plan					Prepare	ed E	By Planning,	Update	ed 03/25/201	9 18:	59 UTC	-6:00 PP
INCIDENT ACTION PLAN SOFT	VARE™ Prin	nted 03/26	/2019 23:18 UTC -6:00		Page 41 of	68						© TRG

CS 206 - Medical Plan		Version Name:	Division A On Water Ope	rations
ncident Name: 2nd 80's Fire		Period: Period 5 [03/27	7/2019 07:00 - 03/28/2019	07:00
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in acco	ordance with your training.			
1. Acadian Ambulance staged 01 16550 Market Street Channelvie		ance at Staging Area - OMI Rive	r; Address - River Terrace	Park
2. Call Acadian Ambulance Dispa	atch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications Critical Threshold Reporting Crite		Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid th	rough Safety Officer			
SDS available and copies made	to send with ambulance.			
Deconitamination must take plac	e prior to transport.			
Helipad/air operations will take p	lace on Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Prepared By Planning	Updated 03/25/2019 18:59 UTC -	-6:00 PI
NCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 42 of 68	10.03 010	© TRG

ICS 206 - Medical Plan	S 206 - Medical Plan					rsion Name:	Divis	sion B On	Water Op	erations
Incident Name: 2nd 80's	Fire				Period: Pe	riod 5 [03/27	7/201	9 07:00 - 0	03/28/201	9 07:00]
			Medica	l Aid Statio	ons					
Name		Locatio	on 154 29.78214			Paramedic On Site	Pho	ne	R	adio
Staging Area - OMI River			154 29.78214 tation (Ground a	and/ar Air	Ambulanaa	Sorvings	<u> </u>			
Ambulance Service	110	Locatio	•	allu/Ol All I	Phone	Services)		Radio	Air	ALS
Acadian Ambulance Disp	atch Center					9) 833-3800	<u> </u>	Naulo	, A	ALS
Acadian Ambulance Supe			154 29.78214		<u> </u>	32) 210-4279			+	x
				lospitals	(,				
				Τ	Air Trave	el Groun	,,	Trauma		Burn
Hospital	Location		Phone	Radio	Time	Travel 7		Center	Helipad	Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 min	15 mi	in	III	x	
UТМВ	3737 Red B #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 mi	in	I	x	x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	, K	281-338-3708		15 min	30 mi	n	II	x	
Houston Methodist Baytown	4401 Garth Baytown, T. 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	30 mi	in		x	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 mi	'n	II		
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054	e.100	903-240-5893		15 min	15 mi	n			
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 23:18 UTC -6:00		Prepare	d By Planning,	Update I	ed 03/25/201	9 16:49 UT(C -6:00 PP

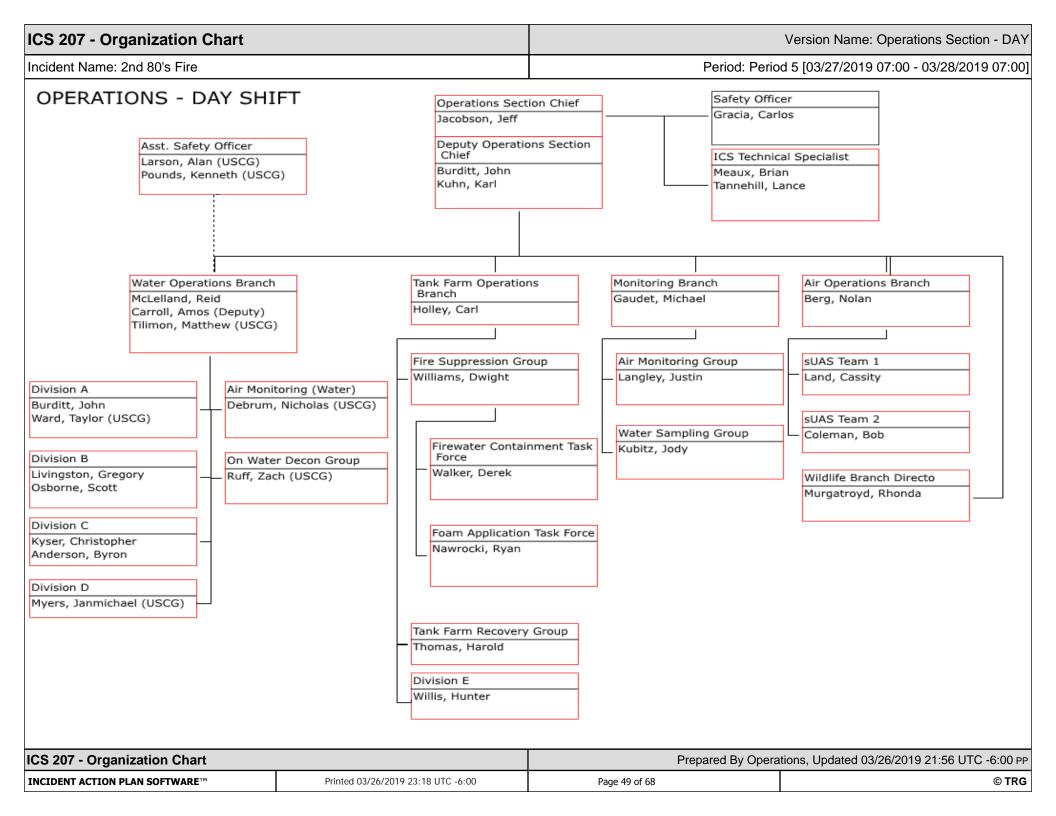
Special Medical Emerger reliver First Aid if trained in accordance with your training. Acadian Ambulance staged 01 Advanced Life Support Ambulance at 6550 Market Street Channelview, TX 77530 Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambulancet immediate notifications through supervisor and Safety Office britical Threshold Reporting Criteria for: Injury or Deathv OSHA/Greater than 1st Aid through Safety Officer IDS available and copies made to send with ambulance. Deconitamination must take place prior to transport. Relipad/air operations will take place on Independence Road immediates.	at Staging Area - OMI River; Address - River Terrace Park ulance of incoming medical or trauma case r via Chain of Command per ICS 202b Unified Command
Deliver First Aid if trained in accordance with your training. Acadian Ambulance staged 01 Advanced Life Support Ambulance at 6550 Market Street Channelview, TX 77530 Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambulance in the conduct immediate notifications through supervisor and Safety Office critical Threshold Reporting Criteria for: Injury or Deathy OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance.	at Staging Area - OMI River; Address - River Terrace Park ulance of incoming medical or trauma case r via Chain of Command per ICS 202b Unified Command
Acadian Ambulance staged 01 Advanced Life Support Ambulance at 6550 Market Street Channelview, TX 77530 Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambulance immediate notifications through supervisor and Safety Office aritical Threshold Reporting Criteria for: njury or Deathv OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance.	ulance of incoming medical or trauma case r via Chain of Command per ICS 202b Unified Command
6550 Market Street Channelview, TX 77530 Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambustonduct immediate notifications through supervisor and Safety Office critical Threshold Reporting Criteria for: njury or Deathv OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance.	ulance of incoming medical or trauma case r via Chain of Command per ICS 202b Unified Command
conduct immediate notifications through supervisor and Safety Office critical Threshold Reporting Criteria for: njury or Deathv OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance. Deconitamination must take place prior to transport.	r via Chain of Command per ICS 202b Unified Command
critical Threshold Reporting Criteria for: njury or Deathv OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance. Deconitamination must take place prior to transport.	
OSHA/Greater than 1st Aid through Safety Officer DS available and copies made to send with ambulance. Deconitamination must take place prior to transport.	ately across from CIMA Incident Command Post.
DS available and copies made to send with ambulance.	ately across from CIMA Incident Command Post.
econitamination must take place prior to transport.	ately across from CIMA Incident Command Post.
· · ·	ately across from CIMA Incident Command Post.
lelipad/air operations will take place on Independence Road immedia	ately across from CIMA Incident Command Post.
CS 206 - Medical Plan	Prepared By Planning, Updated 03/25/2019 16:49 UTC -6:00 P

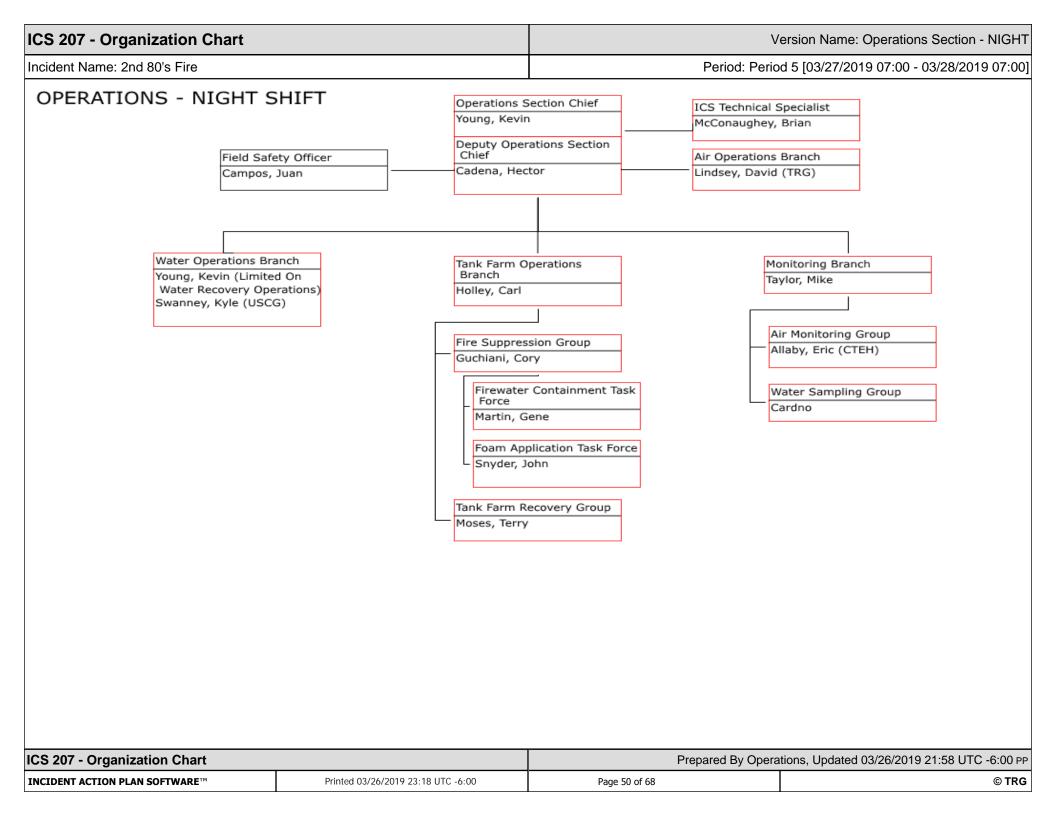
ICS 206 - Medical Plan	S 206 - Medical Plan					rsion Name:	Divis	sion C On	Water Op	erations
Incident Name: 2nd 80's	Fire				Period: Pe	riod 5 [03/27	7/201	9 07:00 - (03/28/201	9 07:00]
			Medica	l Aid Stati	ons					
Name		Locatio				Paramedic On Site	Pho	ne	R	adio
Staging Area - OMI River			154 29.78214	and/ar Air	Ambulanca	Samiana)	<u> </u>			
Ambulance Service	ITā	Locatio	tation (Ground a	and/or Air	Phone	Services)		Radio	Air	T 4/ C
Acadian Ambulance Disp	atch Center					09) 833-3800	<u> </u>	Radio	AII	ALS
Acadian Ambulance Supe			154 29.78214		`	32) 210-4279				x
- Todaian / Timbanan oo Gap		000		lospitals	1 (0.0	,_,		<u> </u>		
					Air Trave	ol Croun	, d	Troumo	Ι	Burn
Hospital	Location		Phone	Radio	Time		Ground Trauma avel Time Center		Helipad	Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 min	15 mi	n	III	x	
UТМВ	3737 Red B #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 mi	n	I	x	x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	, K	281-338-3708		15 min	30 mi	n	II	X	
Houston Methodist Baytown	4401 Garth Baytown, T 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	30 mi	n		x	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 mi	n	II		
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054	e.100	903-240-5893		15 min	15 mi	n			
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 23:18 UTC -6:00		Prepare Page 45 of	d By Planning,	Update T	ed 03/25/201	9 16:50 UT(C -6:00 PP

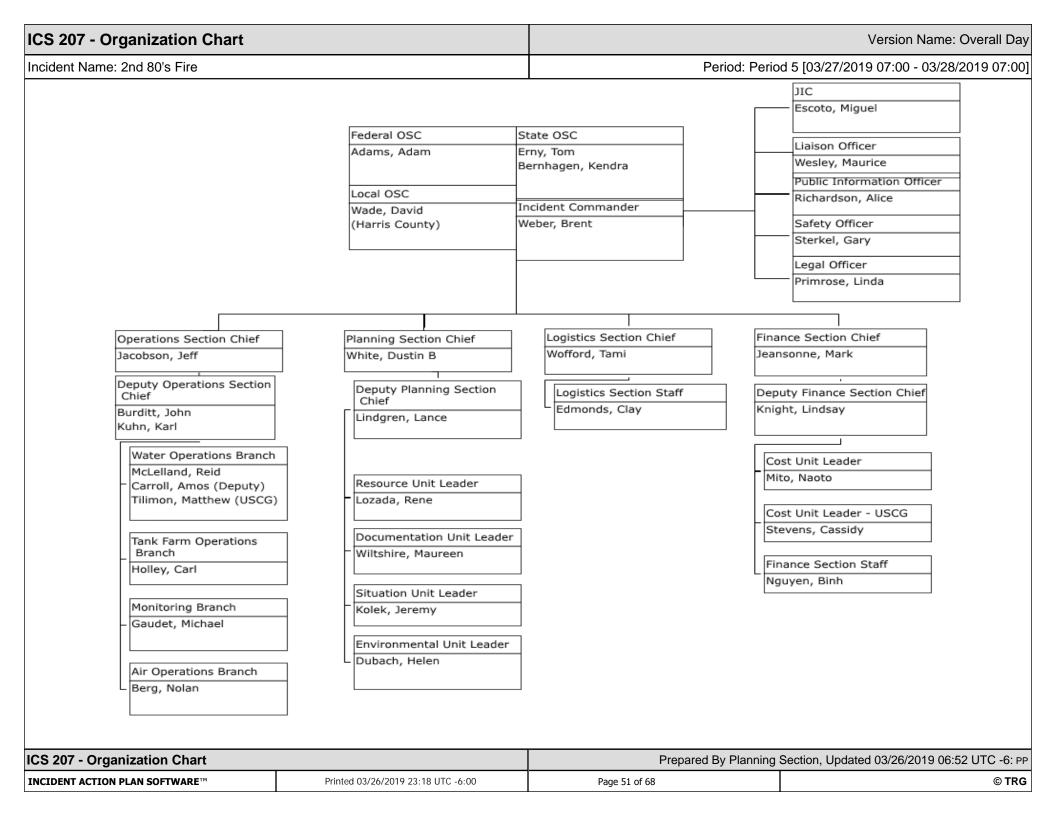
CS 206 - Medical Plan		Version Name:	Division C On Water Ope	rations
ncident Name: 2nd 80's Fire		Period: Period 5 [03/27	7/2019 07:00 - 03/28/2019	07:00]
Incident Name: 2nd 80's Fire Period. Period. Period 5 [03/27/2019 07:00 - 03/28/2019 07:00] Special Medical Emergency Procedures Deliver First Aid if trained in accordance with your training. 1. Acadian Ambulance staged 01 Advanced Life Support Ambulance at Staging Area - OMI River; Address - River Terrace Park 16550 Market Street Channelview, TX 77530 2. Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambulance of incoming medical or trauma case Conduct immediate notifications through supervisor and Safety Officer via Chain of Command per ICS 202b Unified Command Critical Threshold Reporting Criteria for: Injury or Deathy OSHA/Greater than 1st Aid through Safety Officer SDS available and copies made to send with ambulance. Deconitamination must take place prior to transport. Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.				
Deliver First Aid if trained in accordanc	e with your training.			
		ance at Staging Area - OMI River	r; Address - River Terrace	Park
. Call Acadian Ambulance Dispatch a	t (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
		Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid through	Safety Officer			
SDS available and copies made to sen	d with ambulance.			
Deconitamination must take place prior	r to transport.			
Helipad/air operations will take place o	n Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Prepared By Planning	Updated 03/25/2019 16:50 UTC -	-6:00 PF
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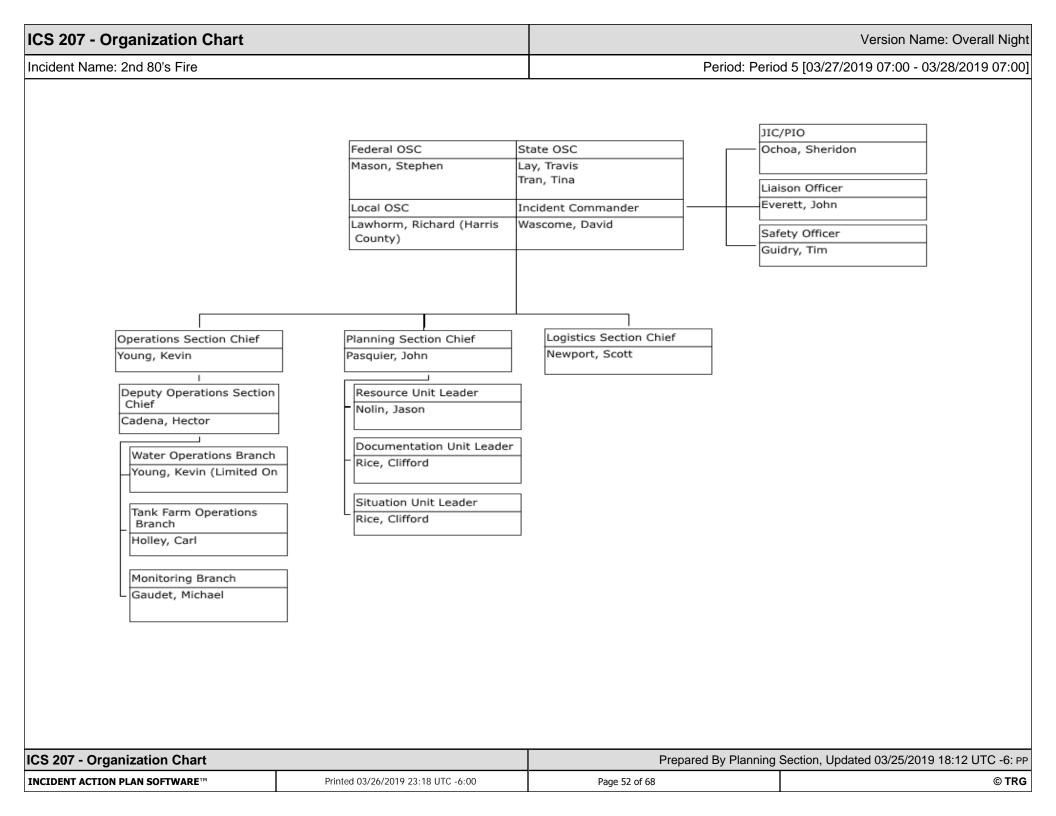
100 200 modicai i idii	206 - Medical Plan dent Name: 2nd 80's Fire					rsion Name	Divis	sion D On	Water Op	erations
Incident Name: 2nd 80's	Fire			Period: Pe	riod 5 [03/2	7/201	9 07:00 - 0	03/28/201	9 07:00]	
			Medica	l Aid Statio	ons					
Name Charles Area ONI Bires		Locatio				Paramedic On Site	Pho	ne	R	adio
Staging Area - OMI River			154 29.78214	and/an Ain	A == h	X Compined				
Ambulance Service	ITā	Locatio	tation (Ground a	and/or Air i	Phone	Services)		Radio	Air	T 4/ C
Acadian Ambulance Disp	atch Center					9) 833-380	<u> </u>	Radio	AII	ALS
Acadian Ambulance Supe			154 29.78214			32) 210-427				x
		000		lospitals	<u> </u>		-	<u> </u>		
				1	Air Trave	el Grour		Trauma	Ι	Burn
Hospital	Location		Phone	Radio	Time	Travel		Center	 Helipad	Center
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124 3737 Red Bluff Rd		713-359-1440		15 min	15 m	in	III	x	
UТМВ	3737 Red B #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 m	in	ı	x	x
Houston Healthcare Clear Lake			281-338-3708		15 min	30 m	in	II	x	
Houston Methodist Baytown	4401 Garth Baytown, T 77521 -94.9796 29.76916				15 min	30 m	in		x	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 m	in	II		
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054		15 min	15 m	in					
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 23:18 UTC -6:00		Prepared Page 47 of	d By Planning,	Updat	ed 03/25/201	9 16:51 UT	C -6:00 PP

ICS 206 - Medical Plan		Version Name:	Division D On Water Oper	rations
ncident Name: 2nd 80's Fire		Period: Period 5 [03/27	7/2019 07:00 - 03/28/2019	07:00]
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in acco	ordance with your training.			
1. Acadian Ambulance staged 0 16550 Market Street Channelvie	1 Advanced Life Support Ambula ew, TX 77530	ance at Staging Area - OMI River	r; Address - River Terrace	Park
2. Call Acadian Ambulance Disp	eatch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications Critical Threshold Reporting Crit	through supervisor and Safety Ceria for:	Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid th	nrough Safety Officer			
SDS available and copies made	to send with ambulance.			
Deconitamination must take place	ce prior to transport.			
Helipad/air operations will take p	place on Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Dronarad Dy Dlanning	Updated 03/25/2019 16:51 UTC -	6:00 D
NCIDENT ACTION PLAN SOFTWARE™	Printed 03/26/2019 23:18 UTC -6:00	Page 48 of 68	Opualeu 09/29/2019 10:31 010 -	© TRG
		<u> </u>	1	









ICS 2	208 -	Site Safety Pl							Vers	sion Name: Tank Fa	arm Operations	
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	5 [03/2	27/2019 07:00 - 03/	28/2019 07:00]
Applie	s to S	ite: Division E										
						Site Chara	cteriza	ation				
Water	•		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigl	nt	Lan	d Use				Air Temp)	68 Fa	hrenheit	
Speed	d	0.48 knot (s)						Wind Sp	eed	0 mpł	n	
Direc	tion	NNW						Direction	1	SSE		
						Site Ha	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
	x	Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		x		Slips, Trips, and F	alls
	x	Cold Stress		x		Helicopter	Opera	ntions		x	Steam and Hot Wa	ater
	x	Confined Space	S	x		Lifting				x	Trenching/Excava	tion
	X	Drum Handling		x		Motor Veh	icles		x		UV Radiation	
x									x		Visibility	
								Utilities		X	Weather	
X	x Fatigue X Plan									X	Work Near Water	
						Air Monito	ring Li					
Oxyge	Oxygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL			Greater tha	ın Bei	nzene			.5	ppm			
			10	70		Engineerin	a Con	trols				
	Sourc	e of release secu	ıred	x	_	(s) closed	9		x	Enerc	gy sources locked/ta	aged out
x		ecured		x		ty shut dow	'n				,,	33
				Pers	onal F	Protective	Equip	ment Requ	ired			
	Impe	vious suit		x	Flame	e resistant o	clothing]	х	Eye p	rotection	
x	Inner	gloves		x	Hard	hats				Perso	onal flotation	
x	Outer	gloves		x	Respi	irators			x	Boots	3	
				Add	itional	Control M	easure	es Establis	hed			
X	Deco	ntamination		x	Illumii	nation			X	Additi	ional stations establ	ished
X	Sanit	ation		x	Medic	cal surveilla	nce		x	Facili	ties provided	
						Work	Plan					
	Boom				Exca					Hot w		
Skimming x Heavy equip						• • •	nt			Appro	opriate permits used	l
x Vac trucks x Sorbent pads												
X	Pump	ping			Patch							
X		ed site workers tra atory requirement		cal/fed	eral	Training Requirem	ning ents	HAZWOPE	ΞR			
ICS 2	S 208 - Site Safety Plan Prepared By Safety Officer, Updated 03/25/2019 18:10 UTC -6:00 PP											
INCIDE	TOENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:18 UTC -6:00 Page 53 of 68 © TRG											

ICS :	208 - Site Safe	ety Plan					Version Name: Ta	ank Farm Operations
Incide	ent Name: 2nd 80's	s Fire			Period: F	Period	5 [03/27/2019 07:00	0 - 03/28/2019 07:00]
			Organ	nizatio	on			
Positi	ion	Name	Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incide	ent Commander	Weber, Brent	(225) 806-5136	Ope Chie	rations Section	on	Jacobson, Jeff	713-516-6916
Safet	y Officer	Collins, Ray	713-614-8550					
			Emerge	ency F	Plan			
X	Fire Prevention F	Plan x	Evacuation Plar	1				
x	Alarm System	x	First Aid Location	n				
			Notifi	cation	ıs			
	Facility		Phone		Facility			Phone
X	Hospital	Houston Healthcare Southeast	713-359-1440	X	Fire		Deer Park VFD	911/281-479- 1511
x	Ambulance	Deer Park VFD	911/281-479- 1511	Law Harris County Sheriff Emergency Door Park VED				(713) 637-0014
	Air Ambulance	Deer Park VFD	911/281-479- 1511	X	Emergency Response/I		Deer Park VFD	911/281-479- 1511
			Initial	Driofi	e			
x	Initial aufaty briaf	ing prepared for each		brien	iig			
ICS 2	08 - Site Safety P	Plan		Pre	epared By Safe	etv Offic	cer. Updated 03/25/20	019 18:10 UTC -6:00 PP

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Printed 03/26/2019 23:18 UTC -6:00

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ICS 2	208 -	Site Safety Pl	an						Versi	on Name: On-Wate	r Decon Group	
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	5 [03/2	27/2019 07:00 - 03/2	28/2019 07:00]
Applie	s to S	ite: On-Water De	con Group									
					,	Site Chara	cteriza	ntion				
Wate	•		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigl	nt	Lan	d Use				Air Temp)	68 Fa	hrenheit	
Speed	d	0.48 knot (s)						Wind Sp	eed	0 mpł	า	
Direc	tion	NNW						Direction	1	SSE		
						Site H	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds		x	Heat Stres	SS		x		Slips, Trips, and F	alls
	x	Cold Stress		x		Helicopter	Opera	itions		x	Steam and Hot Wa	ater
	x	Confined Space	S	x		Lifting				x	Trenching/Excavat	ion
	X	Drum Handling		X		Motor Veh	icles		x		UV Radiation	
X		Equipment Oper	rations	x		Noise			x		Visibility	
								Utilities		X	Weather	
X							dlife			X	Work Near Water	
						Air Monito	ring Li					
Oxyge	xygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL	EL Greater than 10% Benzene .5 ppm											
			10	70		Engineerin	a Con	trols				
x	Sourc	e of release secu	ıred	x	_	(s) closed	<u> </u>		x	Enero	gy sources locked/ta	aged out
x	Site s	ecured		x		ty shut dow	'n					
				Pers	onal F	Protective	Equipr	nent Requ	ired			
	Impe	vious suit		x	Flame	e resistant o	clothing)	x	Eye p	rotection	
x	Inner	gloves		x	Hard	hats				Perso	onal flotation	
x	Outer	gloves		x	Respi	irators			x	Boots	3	
				Add	itional	Control M	easure	es Establis	hed			
X	Deco	ntamination		x	-	nation			x	Additi	onal stations establ	ished
X	Sanit	ation		x	Medic	cal surveilla			x	Facili	ties provided	
							Plan					
X	Boom				Exca					Hot w		
x Skimming x Heavy equip						· · ·	ıt			Appro	ppriate permits used	
x Vac trucks x Sorbent pads x Pumping Patching												
X	Pump	oing			Patch		•					
x		ed site workers tra		cal/fed	eral	Training Requirem	ning ents	HAZWOPE	ĒR			
	-											
ICS 2	208 - Site Safety Plan Prepared By Safety Officer, Updated 03/26/2019 15:04 UTC -6:00 PP											
INCIDE	DENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:18 UTC -6:00 Page 55 of 68 © TRG											

ICS	208 - Site Safe	ty Plan						Version Name: On-	Water Decon Group
Incid	ent Name: 2nd 80's	s Fire				Period: F	eriod (5 [03/27/2019 07:00	- 03/28/2019 07:00]
				Organ	izatio	n			
Posit	ion	Name		Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incid	ent Commander	Weber, Brent	((225) 806-5136		er Operations ch Superviso		McLelland, Reid	281-838-7567
	y Officer (Water ations)	Larson, Alan	-	786-973-1225		er Operations ch Supervisc CG)		Tilimon, Matthew	832-256-3261
Oper Chie	ations Section	Jacobson, Jeff	-	713-516-6916					
				Emerge	ncy F	Plan			
x	Fire Prevention F	Plan	x	Evacuation Plan	ı				
x	Alarm System		X	First Aid Locatio	n				
				Notific	cation	ıs			
	Facility			Phone	Facility				Phone
	Hospital				X	Fire		Channelview FD	911 / (281) 452- 5782
x	Ambulance	Acadian Ambu - In Staging Are		409-833-3800	333-3800 x Law Enforcement			Harris County Sheriff	(713) 637-0014
x	Air Ambulance	Channelview F	D	911 / (281) 452 -5782		Emergency Response/le			
				Initial I	Briefi	na			
x	Initial safety briefi	ing prepared for e	ach s			<u> </u>			
	,	<u> </u>		Attachments	s/App	endices			
Atta	chment			Filename					
ICS2	08 SSP On Water AR19	Operations Branc	ch	FormPDF.pdf					
ICS 2	208 - Site Safety P	lan			Pre	epared By Safe	ety Offic	cer, Updated 03/26/20	19 15:04 UTC -6:00 PP
INCID	INCIDENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:18 UTC -6:00					Page 56	of 68		© TRG

ICS :	208 -	Site Safety F	Plan					١	/ersio	n Nam	e: Division A On W	/ater Operations
Incide	dent Name: 2nd 80's Fire lies to Site: Division A							Period: F	Period	5 [03/2	27/2019 07:00 - 03	3/28/2019 07:00]
Applie	es to S	ite: Division A										
					,	Site Chara	cteriza	ation				
Wate	r		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigh	nt	Lan	d Use				Air Temp	כ	68 Fa	hrenheit	
Spee	d	0.48 knot (s)						Wind Sp	eed	0 mpl	n	
Direc	tion	NNW						Direction	1	SSE		
						Site H	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Haza	ards		x	Heat Stres	ss		x		Slips, Trips, and	Falls
	x	Cold Stress		X		Helicopter	pter Operations					Vater
	X	Confined Space	X		Lifting	☐ x Trenching/Excavation					ation	
	x	Drum Handling		x		Motor Veh	icles		x	$\perp \perp$	UV Radiation	
X		Equipment Op		x		Noise			x	$\perp \sqcup$	Visibility	
\mathbb{H}	x	Electrical Oper	x		Overhead		Utilities		x	Weather	-	
X		Fatigue		X	Plants/Wil				x	Work Near Wate	Γ	
Ovva	Air Monitoring Limits Tygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
Oxygo	en Lev	еі		.э-тпус 3.5	logen	Sullide		10	ppiii	i olai n	lydrocarbons	50 ppm
LEL			Greater tha		nzene			.5	ppm			
						Engineerin	g Con	trols				
x	Sourc	e of release sec	cured	x	Valve	(s) closed			x	Energ	gy sources locked/	tagged out
x	Site s	ecured		x	Facilit	ty shut dow	'n					
				Pers	onal F	Protective	Equipi	ment Requ	ired			
	Imper	vious suit		x	Flame	e resistant o	clothing	9	x	Eye p	rotection	
x	Inner	gloves		X	Hard	hats				Perso	onal flotation	
x	Outer	gloves		X	<u> </u>	irators			x	Boots	3	
				Add	itional	Control M	easure	es Establis	hed			
X	-	ntamination		X		nation			x		ional stations esta	blished
x	Sanita	ation		x	Medic	cal surveilla			x	Facili	ties provided	
	1_				1_		Plan			T		
X	Boom			H	Exca					Hot w		
X	Skimr	<u> </u>		x		y equipmen	nt			Appro	opriate permits use	ed
X												
X	Pump	oirig			Patch		nina		<u> </u>			
x		ed site workers t		cal/fed	eral	Training Requirem	ning ents	HAZWOPE	ER			
ICS 2	08 - Si	te Safety Plan					Pren	pared By Saf	ety Offi	icer. Un	dated 03/26/2019 1	4:36 UTC -6:00 ₽₽
		ION PLAN SOFTWAF	Printed (03/26/20:	19 23:18	UTC -6:00	- 1 16p	Page 57	-	.ээг, ор	00/20/2019 1	© TRG

ICS	208 - Site Safe	ty Plan				V	ersion/	Name: Division A C	On Water Operations
Incid	ent Name: 2nd 80's	s Fire				Period: F	Period :	5 [03/27/2019 07:00	- 03/28/2019 07:00]
				Organ	izatio	on			
Posit	ion	Name	-	Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incid	ent Commander	Weber, Brent	((225) 806-5136		er Operations och Supervisc		McLelland, Reid	281-838-7567
	y Officer (Water ations)	Larson, Alan	7	786-973-1225		er Operations och Supervisc CG)		Tilimon, Matthew	832-256-3261
Oper Chief	ations Section	Jacobson, Jeff	7	713-516-6916					
				Emerge	ncy F	Plan			
х	Fire Prevention F	lan	x	Evacuation Plan	1				
x	Alarm System		x	First Aid Locatio	n				
				Notific	catior	15			
	Facility			Phone		Facility			Phone
	Hospital				x Fire			Channelview FD	911 / (281) 452- 5782
x	Ambulance	Acadian Ambu - In Staging Are		409-833-3800	x	Law Enforceme	nt	Harris County Sheriff	(713) 637-0014
x	Air Ambulance	Channelview F	D	911 / (281) 452 -5782		Emergency Response/le			
				Initial	Briefi	ng		•	
x	Initial safety briefi	ng prepared for e	each s						
		<u> </u>		Attachments	s/App	endices			
Atta	chment			Filename					
ICS2 24M/	08 SSP On Water	Operations Brand	ch	FormPDF.pdf					
ICS 2	208 - Site Safety P	lan			Pre	epared By Safe	ety Offic	cer, Updated 03/26/20	19 14:36 UTC -6:00 PP
INCID	ENT ACTION PLAN SOF	019 23:18 UTC -6:00		Page 58	of 68		© TRG		

ICS 2	208 -	Site Safety Pl					V	/ersio	n Name	e: Division B On Wa	ater Operations	
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	5 [03/2	27/2019 07:00 - 03/2	28/2019 07:00]
Applie	s to S	ite: Division B										
					,	Site Chara	cteriza	ation				
Water	•		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigh	nt	Lan	d Use				Air Temp)	68 Fa	hrenheit	
Speed	t	0.48 knot						Wind Sp	eed	0 mpl	h	
Direc	tion	(s) NNW						Direction	1	SSE		
B.1100		11111				Site Ha	azards		•	002		
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds		x	Heat Stres	SS		х		Slips, Trips, and F	alls
	x	Cold Stress		x		Helicopter	Opera	itions		x	Steam and Hot Wa	ater
	x	Confined Space	S	x		Lifting				x	Trenching/Excava	tion
	x	Drum Handling		x		Motor Veh	icles		x		UV Radiation	
x									x		Visibility	
							/Buriec	l Utilities		x	Weather	
x	x						dlife			x	Work Near Water	
	Air Mo						ring Li	imits				
Oxyge	xygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL	23.5											
			10	%		F'		4 I				
	0				_	Engineerin	g Con	trois		Te		
X		ce of release secu	ired	X		(s) closed			X	Energ	gy sources locked/ta	agged out
X	Site s	ecured		<u> </u>		ty shut dow			:			
	1	- i it						ment Requ		T		
	•	vious suit		X	Hard	e resistant o	ciotning	3	X		orotection onal flotation	
X		gloves		X						Boots		
X	Outer	gioves		X	<u> </u>	irators	laggur	es Establis	X	DOOLS		
	Dogo	ntamination			T	nation	easure	es Establis		A dditi	ional stations establ	inhad
x	Sanita			x	-	cal surveilla	nce		x	_	ties provided	isileu
	Janik	ation			IVICUIC		Plan			ı acııı	lies provided	
x	Boom	ning		ГП	Exca		i iaii			Hot w	vork	
X				V			nt			_	opriate permits used	<u> </u>
x Skimming x Heavy equip x Vac trucks x Sorbent pade						• • •				Прри	ppriate permits asec	•
x Pumping Patching												
					1		ning					
x		ed site workers tra		cal/fed	eral	Training Requirem		HAZWOPE	R			
		•						•				
ICS 2	S 208 - Site Safety Plan Prepared By Safety Officer, Updated 03/26/2019 14:36 UTC -6:00 PP											
INCIDE	DENT ACTION PLAN SOFTWARE™ Printed 03/26/2019 23:18 UTC -6:00 Page 59 of 68 © TRG											

ICS	208 - Site Safe	ty Plan				V	ersion	Name: Division B C	On Water Operations
Incide	ent Name: 2nd 80's	s Fire				Period: P	eriod (5 [03/27/2019 07:00	- 03/28/2019 07:00]
				Organ	izatio	n			
Posit	ion	Name	-	Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incide	ent Commander	Weber, Brent	((225) 806-5136		er Operations ch Superviso		McLelland, Reid	281-838-7567
	y Officer (Water ations)	larson				er Operations ch Superviso CG)		Tilimon, Matthew	832-256-3261
Opera Chief	ations Section	Jacobson, Jeff	7	713-516-6916		,			
				Emerge	ncy F	Plan			
x	Fire Prevention P	lan	x	Evacuation Plan	1				
х	Alarm System		X	First Aid Location	n				
				Notific	cation	ıs			
	Facility			Phone		Facility			Phone
	Hospital				X	Fire		Channelview FD	911
X	Ambulance	Acadian Ambu - In Staging Are	ea		X	Law Enforceme		Harris County Sheriff	(713) 637-0014
X	Air Ambulance	Channelview F	D	911		Emergency Response/F			
				Initial	Briefi				
x	Initial safety briefi	ng prepared for e	ach s			- J			
		<u> </u>		Attachments	s/App	endices			
Attac	:hment			Filename					
ICS2	08 SSP On Water	Operations Brand	ch	FormPDF.pdf					
ICS 2	08 - Site Safety P	lan			Pre	epared By Safe	ety Offic	er, Updated 03/26/20	19 14:36 UTC -6:00 PP
INCID	ENT ACTION PLAN SOF	TWARE™ Printed	03/26/2	2019 23:18 UTC -6:00		Page 60 o	of 68		© TRG

ICS :	208 -	Site Safety P	lan					١	/ersior	n Name	e: Division C On W	Vater Operations
Incide	ent Nar	ne: 2nd 80's Fire				Period: F	Period	5 [03/2	27/2019 07:00 - 03	3/28/2019 07:00]		
Applie	es to S	ite: Division C										
					,	Site Chara	cteriza	ation				
Wate	r		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigh	nt	Lan	d Use				Air Temp	כ	68 Fa	ahrenheit	
Spee	d	0.48 knot (s)						Wind Sp	eed	0 mpl	h	
Direc	tion	NNW						Direction	1	SSE		
						Site H	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Haza	rds		x	Heat Stres	ss		x		Slips, Trips, and	Falls
	X	Cold Stress		X		Helicopter	ter Operations <u>x</u> Steam and Hot Water					Vater
	X	Confined Space	X		Lifting	Trenching/Excavation					ation	
	X	Drum Handling		X		Motor Veh	icles		x		UV Radiation	
X		Equipment Ope		x		Noise			x	$\perp \perp$	Visibility	
	x	Electrical Opera	x	Н	Overhead		Utilities		x	Weather		
X		Fatigue	Ш	X	Plants/Wil		,		x	Work Near Wate	r	
Overe	Air Monitoring Limits Outside 19.5- Hydrogen Sulfide 10.00 Total Hydrogenhous 50.000											
Oxyg	Oxygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL			Greater tha		nzene			.5	ppm			
						Engineerin	g Con	trols				
x	Sourc	e of release sec	ured	x	Valve	(s) closed			x	Energ	gy sources locked/	tagged out
x	Site s	ecured		x	Facilit	ty shut dow	'n					
				Pers	onal F	Protective	Equip	ment Requ	ired			
	Imper	vious suit		X	Flame	e resistant o	clothing	9	x	Eye p	protection	
X	-	gloves		x	Hard	hats				Perso	onal flotation	
X	Outer	gloves		X		irators			x	Boots	5	
					1		easur	es Establis	hed	1		
x	-	ntamination		X		nation			X		ional stations esta	blished
x	Sanita	ation		x	Medic	cal surveilla			X	Facili	ties provided	
	D	•			I		Plan			11.4		
X	Boom				Exca		.+		$\vdash \vdash$	Hot w		ad
X	Skimr			X		y equipmen	Ιτ			Appro	opriate permits use	ea
x												
	amp	mig			1 aton	Trai	nina		<u> </u>			
x												
ICS 2	08 - Si	te Safety Plan					Prep	ared By Safe	ety Offi	icer, Up	dated 03/26/2019 1	4:35 UTC -6:00 PP
INCID	ENT ACT	ION PLAN SOFTWAR	E™ Printed (03/26/20	19 23:18	UTC -6:00		Page 61	of 68			© TRG

ICS	208 - Site Safe	ty Plan				V	ersion	Name: Division C C	On Water Operations		
Incide	ent Name: 2nd 80's	s Fire				Period: P	eriod (5 [03/27/2019 07:00	- 03/28/2019 07:00]		
				Orgar	izatio	on					
Posit	ion	Name		Telephone/Radio	Posi	tion		Name	Telephone/Radio		
Incide	ent Commander	Weber, Brent		(225) 806-5136		er Operations ch Superviso		McLelland, Reid	281-838-7567		
	y Officer (Water ations)	Larson, Alan		786-973-1225		er Operations ch Superviso CG)		Tilimon, Matthew	832-256-3261		
Opera Chief	ations Section	Jacobson, Jeff		713-516-6916		,					
				Emerge	ncy F	Plan					
x	Fire Prevention P	Plan	x	Evacuation Plan)						
X	Alarm System		X	First Aid Location	n						
				Notifi	cation	ıs					
	Facility			Phone		Facility			Phone		
	Hospital				X	Fire		Channelview FD	911		
X	Ambulance	Acadian Ambu - In Staging Ar		409-833-3800	x	Law Enforceme	nt	Harris County Sheriff	(713) 637-0014		
X	Air Ambulance	Channelview F	-D	911		Emergency Response/F					
				Initial	Rriefi						
x	Initial safety briefi	ng prepared for e	each s		3110 111	· 3					
		31 -1		Attachment	s/App	endices					
Attac	:hment			Filename							
ICS2	08 SSP On Water	Operations Brand	ch	FormPDF.pdf							
ICS 2	08 - Site Safety P	lan			Pre	epared By Safe	ty Offic	cer, Updated 03/26/20	19 14:35 UTC -6:00 PP		
INCID	ENT ACTION PLAN SOF	TWARE™ Printed	03/26/2	2019 23:18 UTC -6:00		Page 62 o	of 68		© TRG		

ICS 208 - Site Safety Plan							Version Name: Division D On Water Operations								
Incident Name: 2nd 80's Fire								Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]							
Applie	es to S	ite: Division D													
					,	Site Chara	cteriza	ation							
Wate	r		Lan	d			Weather Mostly Cloudy								
Wave Height Land Use								Air Temp	כ	68 Fa	ahrenheit				
Spee	Speed 0.48 knot (s)							Wind Sp	eed	0 mp	0 mph				
Direction NNW						Direction					SSE				
						Site H	azards								
Yes	No	Hazards		Yes	No	Hazards	Hazards				Hazards				
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose				
x		Chemical Haza	rds		x	Heat Stres	ss		x		Slips, Trips, and	Falls			
	X	Cold Stress		X		Helicopter	Opera	ations		X	Steam and Hot V	Vater			
	X	Confined Space	es	X		Lifting				X	Trenching/Excav	ation			
	X	Drum Handling		X		Motor Veh	icles		x		UV Radiation				
X		Equipment Ope		x		Noise			x	$\perp \perp$	Visibility				
Щ	X	Electrical Opera	ations	x		Overhead		Utilities		x Weather					
X	Ш	Fatigue		Ш	X	Plants/Wil		,		x	Work Near Wate	r			
Overe		- I	Outoide 10	<i>E</i> 1115		Air Monito	ring Li		I-	Tatall	ly relation on the case of	F0 nnm			
Oxyg	en Lev	eı		.5- Hy0 3.5	Hydrogen Sulfide 1			10	ppm	ı otal F	lydrocarbons	50 ppm			
LEL			Greater tha	n Benzene				.5	ppm						
			•			Engineerin	g Con	trols							
x	Sourc	e of release sec	ured	x	Valve	(s) closed		tagged out							
x	Site s	ecured		x	Facilit	Facility shut down									
				Pers	onal F	Protective	Equipi	ment Requ	ired						
	Imper	vious suit		x	Flame	e resistant o	clothing x Eye protection								
x	Inner	gloves		X	Hard	hats				Personal flotation					
x	Outer	gloves		x	Respi	irators			x	Boots	3				
	T			Add	1		easure	es Establis	hed						
x	-	ntamination		x	Illumination x					Additional stations established					
x	Sanita	ation		x	Medic	cal surveilla			X	Facili	ties provided				
	_				T_		Plan			I					
X	Boom				Exca						Hot work				
X	Skimr			X		y equipmen	it			Appro	opriate permits use	ed			
X	Vac ti Pump			X	Patch	ent pads				-					
X	Fump	mig			rattri		ning		<u> </u>						
x		ed site workers to atory requiremen		cal/fed	eral	Training Requirem		HAZWOPE	ΞR						
		te Safety Plan		00/0//0=	10.00.15	LITO (22	Prep	-	-	icer, Up	odated 03/25/2019 2				
INCID	ENT ACT	ION PLAN SOFTWAR	∟ '" Printed (u3/26/20°	19 23:18	UTC -6:00		Page 63	or 68		1	© TRG			

ICS 2	208 - Site Safe	ty Plan			Version Name: Division D On Water Operations							
Incide	ent Name: 2nd 80's	s Fire			Period: Period 5 [03/27/2019 07:00 - 03/28/2019 07:00]							
				Organ	izatio	n						
Position Name Te				Telephone/Radio	Posi	tion		Name	Telephone/Radio			
Incide	ent Commander	Weber, Brent	(225) 806-5136	Oper Chie	ations Section	on	Jacobson, Jeff	713-516-6916			
Safety	y Officer	Sterkel, Gary	2	281-384-9519								
				Emerge	ncy F	Plan						
x	x Fire Prevention Plan x Evace			Evacuation Plan	1							
x	Alarm System		x	First Aid Location	n							
				Notifi	cation	ıs						
	Facility			Phone		Facility			Phone			
	Hospital				X	Fire		Channelview FD	911			
x	Ambulance	Acadian Ambu		409-833-3800	x	Law Enforceme	ent	Harris County Sheriff	(713) 637-0014			
x	Air Ambulance	Channelview F	.D	911		Emergency Response/ e	y Rescu					
				Initial	Briefi	ng						
x	Initial safety briefi	ng prepared for e	each s	site								
				Attachments	s/App	endices						
Attac	hment			Filename								
ICS20 25MA	08 SSP On Water	Operations Brand	ch	FormPDF.pdf								
ICS 2	08 - Site Safety P	lan _			Pre	epared By Safe	ety Offic	cer, Updated 03/25/20	19 23:49 UTC -6:00 РР			
	ENT ACTION PLAN SOF	I	03/26/2	019 23:18 UTC -6:00		Page 64	of 68		© TRG			

Site Safety and Health Plan ICS-208-CG (rev 4/15)

Incident Name: 2nd 80's fire Date/Time Prepared: 3/24/2019 Operational Period: 3/25/19 - 0700

Purpose. The ICS Compatible Site Safety and Health Plan is designed for safety and health personnel that use the Incident Command System (ICS). It is compatible with ICS and is intended to meet the requirements of the Hazardous Waste Operations and Emergency Response regulation (Title 29, Code of Federal Regulations, Part 1910.120). The plan avoids the duplication found between many other site safety plans and certain ICS forms. It is also in a format familiar to users of ICS. Although primarily designed for oil and chemical spills, the plan can be used for all hazard situations. Changes: The only change to this form since 2006 is added Emergency Site Non-Hazardous Assessment form (SSP-A2).

Questions on the document should be addressed to the Coast Guard Office of Contingency Preparedness and Exercise Policy (CG-CPE).

Table of Forms

FORM NAME	FORM#	USE	REQUIRED	OPTIONAL	ATTACHED
Emergency Safety and Response Plan	A	Emergency response phase (uncontrolled)	X		
Emergency Site Non-Hazardous	A2	Emergency response phase without Hazardous	X		
Assessment Form		Materials present. Overall site assessment			
Site Safety Plan	В	Post-emergency phase (stabilized, cleanup)	X		
Site Map	C	Post-emergency phase map of site and hazards	X		
Emergency Response Plan	D	Part of Form B, to address emergencies	X		
Exposure Monitoring Plan	Е	Exposure monitoring Plan to monitor exposure	X		
Air Monitoring Log	E-1	To log air monitoring data	X*		
Personal Protective Equipment	F	To document PPE equipment and procedures	X*		
Decontamination	G	To document decon equipment and procedures	X*		
Site Safety Enforcement Log	Н	To use in enforcing safety on site		X	
Worker Acknowledgement Form	I	To document workers receiving briefings		X	
Form A Compliance Checklist	J	To assist in ensuring HAZWOPER compliance		X	
Form B Compliance Checklist	K	To assist in ensuring HAZWOPER compliance		X	
Drum Compliance Checklist	L	To assist in ensuring HAZWOPER compliance		X	
Other:					

^{*} Required only if function or equipment is used during a response

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EMERGENCY SAFETY		Incident					ime Prepa	red		3/ 3/25/19	@0700			nents: Atta		
and RESPONSE PLAN		^d 80's Fi				3/24/19 @								PY Gas, N	laptha, T	oluene
5. Organization IC/UC:	Safety:	MST1	Alan Larson		Entry	Team: N.	A		Ba N.	ackup Tean A	n:	Dece	on Team: T	BD		
ITC/EPA																
6.a. Physical Hazards and			Space 🗌 No													
<u>Protection</u>			ls 🛛 Struck			ence 🔲 E	excavation			dical waste				Other (spe		
6.c. Tasks & Controls	6d Entry Permit	6.e. Venti late	6f. Hearing Protection	6g. Shoes (type)	6.h. Hard Hats	6i. Clothing (cold wx)	6j. Life Jacket	6l. Wor Rest (h		6.m. Fluids (amt/time)	6.n. Sign & Barricad	Protect		6.r. Flash Protect	6.s. Work Gloves	6.t. Other
Small boat operations:	N/A	N/A	PRN	N/A	PRN	N/A	X	ТВГ)	X	N/A	N/A	N/A	N/A	X	Only qualifi ed operat or and crew
Skimming Ops	N/A	N/A	N/A	N/A	PRN	N/A	X	TBD)	X	N/A	N/A	N/A	N/A	X	
Transiting through high concentration areas	N/A	N/A	N/A	N/A	N/A	N/A	X	TBD)	X	N/A	N/A	N/A	N/A	X	
Sampling Ops:	N/A	N/A	N/A	N/A	N/A	N/A	PRN	TBE)	X	N/A	N/A	N/A	N/A	X	
7.a. Agent		7.b.	Hazards		7.0	c. Target C	Organs		7.d.	Exposure l	Routes	7.f.	PPE	7.g.	Type of l	PPE
Pyrolysis Gasoline	Explos	sive 🗌	Radioa	ctive 🗌	Eyes N	lose 🛛 Sl	kin 🔲 Eaı	's 🔲 🛚 1	Inha	alation 🗵]	Face	Shield 🛚	Full face re	sperator as	needed
	Flamma	able 🛚	Carcino	ogen 🛛	Cer	ntral Nervo	ous Syster	n 🛛 🛮	Abs	orption			Eyes 🖂	PRN		
Xylene		tive 🗌		dizer 🔲	Re	spiratory	🛚 Throa	ıt 🔲 📗	Inge	estion ction		(Gloves 🛛	Nitrile		
	Biomed			sive 🔲		Heart				ction _]		er Suit 🔲	NA		
Naptha	To	oxic 🗌	Specify O	ther: 🔲		Blood			Men	mbrane 🗌	J		sh Suit 🔀	Tyvek		
					Circulatory								A Suit	NA	~	
Gasoline blend					Bon	e 🗌 Oth	er Specify	/: L				SCBA⊵	APR⊠	Organic Va		ge with 8
T-1												C	SAR 🗌	NA		
Toluene													ridges 🔀 istance 🗌	Нера		
Yubase #4 & #6												THE RES	istalice	NA		
8. Instruments: 8.a. Act	tion	8.b. Che	mical Name(s):	8.c.	. 8.d. C	Odor 8.e	e. Ceiling/	8.f.		8.g. Flash	Pt/ 8.h	. Vapor	8.i. Vapor	8.j. Sp	ecific	8.1.
Hand held Levels:				LEL/U	JEL Thre	esh	IDLH	STEL/1	ΓLV	Ignition (F or C	Pt P	ressure (mm)	Density	Gra		Boiling Pt F or C
$\begin{array}{c c} O2 \boxtimes & <19.5 - \\ CGI \boxtimes & >109 \\ Radiation \boxtimes & >1Mr/I \end{array}$	6 LEL Hr	F	Benzene	LEL: 1. UEL: 7		5 3	300ррт	2.5 ppn minute		12 F		28	2.7	0.0	37	176 F
Total fres 🔼	BD															
	JA															
	JA															
Benzene O.5pp	m															
									10	CS-208-0	CG SS	P-A P	age 1 (r	ev 4/15): Page	e 1 of 2

EMERGENCY SAFETY	1. Incident Name 2 nd 80's Fire	3/24/19	3/25/19 - 0700 - 3/26/19 - 0700	4. Attachments: Attach SDS for each
and RESPONSE PLAN (Cont)	2 nd 80's Fire			Chemical. PY Gas, Naptha, Toluene
9. Decontamination:	Suit Wash	Bottle Exchange	SCBA/Mask Rins	e ☑ Intervening Steps ☐Specify:
Instrument Drop Off		Outer Suit Removal		
Outer Boots/Glove Removal	Other 🗌	Inner Suit Removal		
Suit/Gloves/Boot Disposal	Specify:	SCBA/Mask Removal	Body Showe	er 🗌
	Zones, Locations of Hazards, Security P	erimeter, Places of Refuge, Dec	ontamination Line, Evacuation Rou	tes, Assembly Point, Direction of North
Attached, Drawn Belov	v:			
	Se Divis	econd 80's Fire ion Overview Map	The Bes	Jonse Group
95°8°0"W	95°8'0"W 95°7'0"W	03/24/2019 95°6'0'W 95°5'0''W	95°4'0"W	Scale: 1:43,000 951310**W
Tanada Da		Sandy (iii) (iii) (iii) (iii)	ynchbora .	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
Woodlow Divis	Woodforest Blv118	AMA	Host	The second
Portor Dr. Sinter Dr.	Name of the second seco			
The state of the s	Climpnelview		Lynchburg &	
130		Division C	Gurnett	Bay
FWY			Comment of the second	- -
		House	Division D	**************************************
		Division B	Bayout	BOWNWARD COME
Ston Pow	American designation		for into state Park	
	Lettyfetag (A)			s e
可是是到一人工	Bayou			Legend
	Rayou		Incident Location Latitude: 29° 43′ 56.3″ N Longitude: 95° 05′ 29.3″ W	Incident Location Overflight Observations Out
8 9 95	Boyou 1.5 2 Miles	Division E	Longitude: 95° 05' 29.3" W	Sheen Division Line
95°9'0°W	95°8'0"W 95°7'0"W	es-so-uv es-s	orw es-4-orw	95°30°VV
11 D ((1 D)		D (' 1E		
11.a. <u>Potential Emergencies</u> : Fire		nergency Prevention and Evacua stance: Evacuate area if readings		
Explosion	Bells #Rings	stance. Evacuate area il readings	s of over 23ppm are observed.	
Over exposure to Benzene				
	Other:			
12. a. Communications:	12.b. Command #: (713)208-5583	12.c. Tactical #: NA	12.d. F	Entry #:
Radio Phone Other				
13.a. <u>Site Security</u> :	13.b. Procedures:		13.c. E	Equipment:
Personnel Assigned: NA				
14.a. Emergency Medical:	14.b. Procedures:		14 c E	quipment:
Personnel Assigned: TBD	1		14.6 E	
· · · · · · · · · · · · · · · · · · ·				
15. Prepared by:	16. <u>Date/Time Briefed</u> :		ICS-	208-CG SSP-A Page 2
MST1 Alan Larson	3/24/2019			S
			(rev	4/15): Page <u>2</u> of <u>2</u>